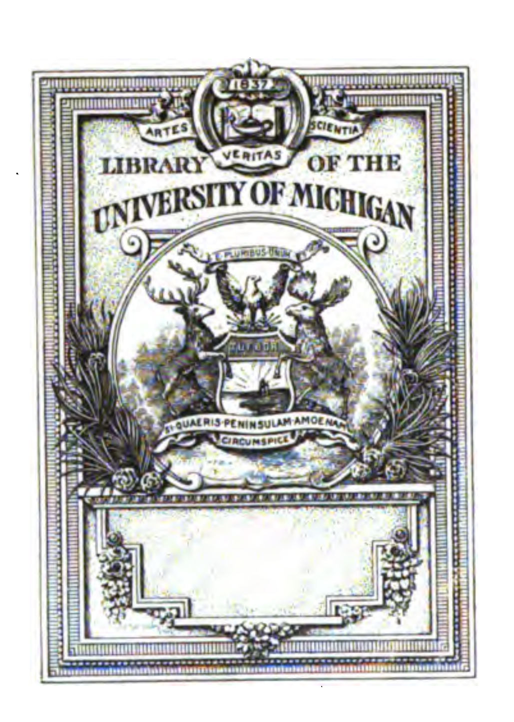

1837
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ANNALEN

der

k. k. Sternwarte in Wien.

Nach dem Befehle

Seiner k. k. apost. Majestät

auf öffentliche Kosten

herausgegeben

von

CARL von LITTROW,

Director der Sternwarte, o. ö. Professor der Astronomie an der Wiener Universität, Ritter des k. russ. St. Annen-Ordens zweiter Classe und des Dannebrog; Doctor der Philosophie; wirkliches Mitglied der k. Akademie der Wissenschaften zu Wien; Associate der R. Astron. Society zu London; der kais. Leopoldinisch-Carolinischen Akademie der Naturforscher, so wie gelehrter Gesellschaften zu Sächsisch-Altenburg, Breslau, Castelfranco, Cherbourg, Emden, Erfurt, Frankfurt a. M., Görlitz, Heidelberg, Jassy, Mainz, Padua, Rom, Rovereto, Rovigo, Upsala, Washington, Wien theils Ehren-, theils correspondirendes Mitglied etc.

Dritter Folge

Eilfter Band.

Jahrgang 1861.



WIEN, 1862.

Gedruckt bei Leopold Sommer.

In Commission bei J. B. Wallishausser.

To the Observatory

of

Ann Arbour.

Einleitung.

In Bezug auf die Beobachtungen am Meridiankreise haben wir den in früheren Bänden gegebenen Erläuterungen hier zunächst beizufügen, dass die Quecksilber-Compensation an der Pendeluhr Molyneux im Laufe der Jahre unvollkommen geworden war, und man desshalb am 5. October 1859 Mittags Quecksilber zugoss. Um den dadurch gestörten Gang der Uhr wieder thunlichst klein zu machen, wurde die Länge des Pendels am 6. und 24. October, so wie am 2. November geändert. Dadurch erklären sich die so sehr verschiedenen Correctionen der Uhr im October und die Angaben des wahrscheinlichsten stündlichen, statt des einfachen täglichen Ganges.

Azimut und Neigung, welche in der zweiten Hälfte des Jahres bedeutend angewachsen waren, wurden am 5. December corrigirt. Für den Collimationsfehler wurden bis incl. 27. September die letzten (Band X, pag. IV angegebenen) Werthe, vom 29. September an die folgenden in Anwendung gebracht:

Kreis Ost $c = -0^s474$
Kreis West $c = +0.446$

welche aus einer am 21. November vorgenommenen Umkehrung sich ergeben hatten.

In Betreff dieser und der späteren Bestimmungen des Collimationsfehlers ist zu bemerken, dass uns das in früheren Bänden erwähnte Schraubenmikrometer am Oculare des Meridiankreises und das kürzlich im Meridian-Einschnitte angebrachte Collimator-Fernrohr in den Stand setzen, nicht bloss wie gewöhnlich auf die Aenderung der Neigung, sondern auch die des Azimutes Rücksicht zu nehmen.

Bedeuten nämlich a, b, c Azimut, Neigung und Collimation (die erste und dritte dieser Grössen östlich positiv), A die mittelst des Schraubenmikrometers gemessene Azimutaldifferenz zwischen Mire und Mittelfaden des Meridiankreises (Mire östlich positiv), m das Azimut der Mire, so ist

$$m = A + a + c.$$

Bezeichnet ferner α die Rectascension, δ die Declination des Polarsternes, t das Mittel der auf den Mittelfaden reducirten Antrittszeiten, x die Correction der Uhr, ρ die tägliche Aberration, φ die Polhöhe, so hat man

für Obere Culminationen

Kreis Ost $\begin{cases} \alpha-(t_1+x)=a_1\dfrac{Sin\,(\varphi-\delta)}{Cos\,\delta}+b_1\dfrac{Cos\,(\varphi-\delta)}{Cos\,\delta}+(c-\rho)\,Sec\,\delta \\ m=A_1+a_1+c \end{cases}$

Kreis West $\begin{cases} \alpha-(t_2+x)=a_2\dfrac{Sin\,(\varphi-\delta)}{Cos\,\delta}+b_2\dfrac{Cos\,(\varphi-\delta)}{Cos\,\delta}-(c+\rho)\,Sec\,\delta \\ m=A_2+a_2-c \end{cases}$

woraus weiter folgt:

$$2c\,[1+Sin\,(\delta-\varphi)]=(t_2-t_1)\,Cos\,\delta+(b_2-b_1)\,Cos\,(\delta-\varphi)+ \\ +(A_2-A_1)\,Sin\,(\delta-\varphi)$$

$$(a_2-a_1)\,[1+Sin\,(\delta-\varphi)]=(t_2-t_1)\,Cos\,\delta+(b_2-b_1)\,Cos\,(\delta-\varphi)- \\ -(A_2-A_1).$$

Diese Ausdrücke sind durch folgende zu ersetzen

für Untere Culminationen

$$2c\,[1+Sin\,(\delta+\varphi)]=(t_1-t_2)\,Cos\,\delta+(b_1-b_2)\,Cos\,(\delta+\varphi)- \\ -(A_1-A_2)\,Sin\,(\delta+\varphi)$$

$$(a_2-a_1)\,[1+Sin\,(\delta+\varphi)]=(t_1-t_2)\,Cos\,\delta+(b_1-b_2)\,Cos\,(\delta+\varphi)+ \\ +(A_1-A_2).$$

Damit erklären sich die Angaben bei der Kreisumkehrung vom 21. November. Man sieht von selbst, dass man bei dieser Anordnung selbst mit so veränderlichen Azimuten, wie es leider die unseres Meridiankreises sind, für die Bestimmung des Collimationsfehlers, den Polarstern in einer und derselben Lage des Instrumentes durch alle Fäden gehen lassen, dann die Umkehrung vornehmen und erst an einem folgenden Tage eine ähnliche vollständige Beobachtung desselben Gestirnes anstellen kann, wofern man nur jedes Mal durch einen zweiten Stern für die Kenntniss des absoluten Azimutes sorgt.

Hinsichtlich der Declinations-Beobachtungen kommt zu erwähnen, dass man eine Veränderlichkeit des Werthes einer Revolution der Mikrometerschrauben an den Mikroskopen bemerkt hat und desshalb vom October 1859 an sich angelegen sein liess, jenen Werth in den verschiedensten Zenithdistanzen durch Einstellung des Doppelfadens auf zwei einander benachbarte Theilstriche des Limbus zu bestimmen. Es ergab sich so, dass drei Revolutionen der Mikrometerschraube um folgende Grössen zu ändern waren, um drei Minuten zu geben:

	Mikroskop I		Mikroskop II		Mikroskop III		Mikroskop IV		Mittel	B.—R.
	Mikr.-Theile	Z. d. Vgl.	Mikr.-Theile	Z. d. Vgl.	Mikr.-Theile	Z. d. Vgl.	Mikr.-Theile	Z. d. Vgl.		
1859 Nov. — Dec. . .	+1.48	44	+4.07	44	+0.01	43	+2.06	42	+1.90	+0.32
1860 Jänner	+0.40	26	+4.48	26	—0.63	26	+2.61	25	+1.71	—0.09
„ Feb. — April	+0.81	74	+4.15	74	—0.07	73	+1.85	73	+1.68	+0.10
„ Juni — August	0.00	58	+2.98	58	—2.00	58	+1.53	58	+0.63	—0.02
„ September . . .	+0.32	23	+3.43	23	—0.85	23	+1.01	23	+0.98	+0.03
„ October	+0.46	9	+3.72	9	+0.04	9	+1.24	9	+1.36	+0.09
„ Nov. — Dec. . .	+0.88	37	+3.15	37	+0.06	37	+1.66	37	+1.44	—0.27
1861 Jänner — März	+1.12	27	+3.40	27	+0.31	27	+1.83	27	+1.66	—0.24
„ März — April .	+0.83	43	+3.27	43	—0.62	42	+1.67	42	+1.29	—0.14

Die Zahlen der letzten Columne folgen (unter der Annahme, dass der in den Correctionen der Mikrometerschrauben sich zeigende Gang eine Function der Zeit sei) aus der Vergleichung obiger Mittel mit der Formel:

$$+ 1.''266 + 0.''635 \, Sin \, (75^\circ + t)$$

wo t den abgelaufenen Theil des Jahres, dieses in 360° getheilt, bedeutet. Man erhielt so nachstehende Tafel für die

Correction des Mittels der Lesungen.

	1. Februar	1. März	1. April	1. Mai	1. Juni	1. Juli
0′ 0″	+ 0.″0	+ 0.″0	+ 0.″0	+ 0.″0	+ 0.″0	+ 0.″0
30	0.3	0.3	0.2	0.2	0.1	0.1
1 0	0.6	0.6	0.5	0.4	0.3	0.2
30	0.9	0.9	0.7	0.6	0.4	0.3
2 0	1.3	1.1	1.0	0.7	0.5	0.4
30	1.6	1.4	1.2	0.9	0.7	0.5
3 0	+ 1.9	+ 1.7	+ 1.4	+ 1.1	+ 0.8	+ 0.6
	1. Jänner	1. December	1. November	1. October	1. September	1. August

Diese Verbesserung wurde von September 1859 bis April 1861 stets angebracht, und es sind in dieser Periode die Columnen „Mittel der Lesungen“ dem gemäss zu verstehen. Im April 1861 wurde der Meridiankreis einer Reparatur unterzogen, worüber seiner Zeit das Nähere folgen wird. Wir behalten uns vor, bei erster Gelegenheit eine Untersuchung der Theilungsfehler vorzunehmen, um diese von jenem Einflusse der Temperatur abzusondern.

Es kommt übrigens von dem vorliegenden Bande an der Fall öfter, z.B. pag. 35 vor, dass in den letzten acht Columnen der ungeraden Seiten, statt der sonst dort gegebenen Zahlen steht: Decl. $*_2$ = = Decl. $*_1$ + ... Diess rührt daher, dass zuweilen eine Reihe einander in AR. und Decl. sehr naher Sterne bestimmt werden sollte. Um die vollständigen Positionen rasch zu erhalten, lässt man von je zwei Sternen den einen durch den fixen Declinations-Doppelfaden gehen und nimmt ihn an so vielen Rectascensionsfäden als thunlich, um den zweiten Stern noch zwischen den beweglichen Declinations-

Doppelfaden stellen und an einigen vertikalen Fäden beobachten zu können, so dass man also die Declination des ersten Sternes unmittelbar am Kreise und die des zweiten durch Differenzbestimmung mittelst des Schraubenmikrometers erhält.

Nach den Beobachtungen am Meridiankreise geben wir die in den letzten Jahren mit diesem Instrumente gewonnenen Resultate. Dieselben reihen sich in Bezug auf Planeten an die Zusammenstellung im IX. Bande, III. Folge, während für Fixsternbeobachtungen einstweilen nur das letzte Decennium aufgenommen ist; die früher bestimmten Positionen sollen in einem der nächsten Bände geliefert werden. Wir bemerken übrigens ausdrücklich, dass bei dieser Veranlassung sämmtliche betreffende Beobachtungen nach den Original-Tagebüchern revidirt und in Fällen von Zweifeln neu, zum Theile mit etwas geänderten Reductionselementen berechnet wurden. Es sind daher überall, wo die hier mitgetheilten Angaben von früheren Publikationen abweichen, jene als die richtigen Zahlen anzusehen. Bei vielen Sternen wurden aus den Jahren 1850—1854 Grössenschätzungen, die bei dem Drucke der Tagebücher weggelassen waren, hier beigefügt. Dieselben stammen in den Jahren 1850 und 1851 von Herrn A. Kuneš, in den Jahren 1852 — 1854 von Herrn W. Oeltzen, an welch' letzteren sich Herr E. Weiss im Jahre 1859 möglichst anschloss. Von den wiederbeobachteten Lalande'schen Sternen ist indessen nur die Nummer des Kataloges mit dem Beobachtungstage ohne die resultirende Position gegeben, die erst nach Beendigung dieser Beobachtungen publicirt werden soll.

Die Zonenbeobachtungen am Mittagsrohre sind sammt den zugehörigen Reductionstafeln am Schlusse des Bandes, bei deren Anfertigung wieder handschriftliche Mittheilungen des Herrn Dir. M. Weisse von zahlreichen mittleren Positionen Bessel'scher Zonensterne sehr zu Statten kamen, ganz in der früheren Weise geordnet. Für die hier veröffentlichten Zonen ergaben sich folgende Unterschiede für die als Fundamentalpunkte gebrauchten Sterne, wenn man deren Position aus den ursprünglichen Quellen von der aus unseren Beobachtungen abgeleiteten subtrahirt.

1856 December 2. Zone 44.

		Stern	Diff. AR.	Diff. Decl.
Nr.	6	R. 162; Wien. Mer. Beob.	$-0^s.31$	$-2''.2$
»	9	R. Nacht. 10	(— 0.77)	— 1.0
»	25	B. Z. 394 0^h 41^m $47^s.34$	— 0.30	— 2.0
»	27	Wien. Mer. Beob.; B. Z. 394 0 43 30.62; R. N. F. 351	+ 0.19	+ 1.1

1856 December 2. Zone 44. (Fortsetzung.)

Nr.	Stern					Diff. AR.	Diff. Decl.
Nr. 34	B. Z.	394	0^h	46^m	$39^s.18$	$-0^s.19$	$-2''.6$
» 46	B. Z.	394	0	50	9.80	+ 0.07	+ 1.9
	R. N. F. 436						
	Wien. Mer. Beob.						
» 71	B. Z.	394	1	4	23.71	+ 0.11	+ 0.5
» 73	B. Z.	394	1	5	32.50	+ 0.49	− 2.1
» 75	Wien. Mer. Beob.					− 0.31	+ 3.4
» 82	B. Z.	394	1	10	54.50	+ 0.12	+ 2.3
» 87	R. N. F. 622					+ 0.16	+ 1.2

1856 December 17. Zone 45.

Nr.	Stern					Diff. AR.	Diff. Decl.
Nr. 8	R.	162				+ 0.41	− 3.0
	Wien. Mer. Beob.						
» 25	B. Z.	394	0	41	47.34	− 0.17	− 3.7
» 27	R. N. F. 351					+ 0.12	+ 1.2
» 33	R. N. F. 398					− 0.20	+ 0.5
	Wien. Mer. Beob.						
» 34	B. Z.	394	0	46	39.18	+ 0.43	− 1.4
» 45	B. Z.	394	0	50	38.30	+ 0.24	+ 0.9
» 76	B. Z.	394	1	4	23.71	+ 0.08	+ 0.1
	Wien. Mer. Beob.						
» 78	B. Z.	394	1	5	32.50	− 0.18	− 0.4
» 91	B. Z.	394	1	10	54.50	− 0.40	+ 5.4
» 99	B. Z.	394	1	13	25.95	− 0.31	+ 0.7

1856 December 17. Zone 46.

Nr.	Stern					Diff. AR.	Diff. Decl.
Nr. 19	Wien. Mer. Beob.					− 0.20	− 3.0
» 26	B. Z.	32	1	39	7.14	+ 1.15	+ 2.7
» 46	R. N. F. 1012					− 0.25	+ 1.2
	Wien. Mer. Beob.						
» 50	B. Z.	394	1	51	10.20	− 0.55	+ 2.3
	B. Z.	32	1	49	12.10		
» 63	Wien. Mer. Beob.					+ 0.48	− 1.5
» 77	R. N. F. 1094					− 0.07	+ 2.0
» 81	R. N. F. 1111					+ 0.36	+ 1.7
» 87	R. N. F. 1137					+ 0.38	+ 1.4
» 93	B. Z.	394	2	11	15.00	− 0.58	− 7.0
» 97	B. Z.	394	2	13	7.29	− 0.71	− 0.7
» 102	B. Z.	394	2	15	52.27	+ 0.31	+ 1.5
	Wien. Mer. Beob. AR.						
» 108	B. Z.	394	2	19	3.56	− 0.32	− 0.4

1856 December 20. Zone 47.

Nr.	Stern					Diff. AR.	Diff. Decl.
Nr. 17	B. Z.	378	0	13	10.59	+ 0.23	− 5.4
» 21	B. Z.	378	0	14	50.82	+ 0.25	+ 2.7
	Wien. Mer. Beob.						
» 43	Wien. Mer. Beob.					− 0.15	+ 2.1
	R. N. F. 201						
» 47	B. Z.	378	0	24	51.60	− 0.08	+ 0.4
» 48	B. Z.	378	0	25	16.00	+ 0.44	− 1.5
» 73	B. Z.	378	0	38	12.50	− 0.45	+ 0.9
» 74	Wien. Mer. Beob.					− 0.12	+ 3.4
» 78	B. Z.	378	0	41	30.30	− 0.15	+ 1.6
» 79	B. Z.	378	0	42	5.84	− 0.23	− 1.6
» 80	B. Z.	378	0	42	10.92	+ 0.07	− 2.6
» 100	B. Z.	378	0	51	15.20	+ 0.19	− 1.2
» 101	B. Z.	378	0	51	35.12	− 0.57	+ 0.5
» 102	B. Z.	378	0	52	12.34	− 0.25	+ 0.2
» 107	R. N. F. 488					+ 0.76	+ 1.2

1856. December 21. Zone 48.		Stern				Diff. AR.	Diff. Decl.
Nr.	11	R. N. F. 569				$+ 0^s.16$	$- 0''.8$
»	28	R. N. F. 625 Wien. Mer. Beob.				+ 0.05	+ 0.8
»	33	B. Z. 332	1^h	15^m	$5^s.40$	(+ 1.64)	(— 7.5)
»	43	B. Z. 332 Wien. Mer. Beob.	1	20	9.56	— 0.09	— 0.3
»	52	P. I. 110 R. N. F. 753 Wien. Mer Beob.				— 0.10	+ 0.2

1856 December 31. Zone 49.		Stern				Diff. AR.	Diff. Decl.
Nr.	17	B. Z. 394 Wien. Mer. Beob.	1	8	8.84	— 0.17	— 3.1
»	19	B. Z. 394	1	8	40.84	— 0.13	+ 3.6
»	24	B. Z. 332	1	9	46 11	+ 0 10	— 2.1
»	25	B. Z. 394 » » 332	1 1	11 10	51.30 42.32	— 0.52	+ 1.8
»	26	B. Z. 332 » » 394	1 1	11 12	9 11 18.34	— 0.07	— 1.1
»	34	B. Z. 332 » » 394 Wien. Mer. Beob.	1 1	14 15	10.04 19.57	+ 0.07	— 2.3
»	68	Wien. Mer. Beob.				— 0.06	+ 3.9
»	112	R. 1^h Nachtr. 13				+ 0 47	+ 0.7
»	113	B. Z. 394	1	48	23.20	— 0.19	— 4.3
»	114	B. Z. 394	1	48	29.83	+ 0.06	+ 0.4
»	115	Bradley 262 Mdlr.				+ 0.32	+ 1.4
»	135	B. Z. 394 » » 32	1 1	57 54	1.50 53.13	+ 0.15	+ 0.6

1856. December 31. Zone 50.		Stern				Diff. AR.	Diff. Decl.
Nr.	20	R. N. F. 1678 Wien. Mer. Beob.				— 0.18	+ 1.3
»	64	R. 905 R. N. F. 1809				+ 0.30	— 0.1
»	67	R. 911 Wien. Mer. Beob.				— 0.19	+ 0.6
»	87	R. N. F. 1905				+ 0.07	+ 2.7
»	103	B. Z. 506	3	4	8.35	— 0.18	— 3.4
»	108	Wien. Mer. Beob.				+ 0.02	0.0
»	111	R. N. F. 2012				+ 0 45	+ 0.8
»	126	R. N. F. 2083 Wien. Mer. Beob.				— 0.01	+ 0.1
»	133	P. 249 R. 1090 R. N. F. 2119 Wien. Mer. Beob.				+ 0 19	— 2.8
»	144	B. Z. 506	4	3	20.21	— 0.50	+ 0.6

Von den älteren meteorologischen Beobachtungen erscheint der dritte Band (1810—1821) zugleich mit vorliegendem Jahrgange der Annalen.

Wien, 4. November 1862.

Littrow.

BEOBACHTUNGEN

AM

MERIDIANKREISE.

1859	Grösse	1	2	3	I	II	4	III	5	IV	V	6	7	8
Sept. 9. ♀														
Beob. H., M.		s	s	s	s	s	s	s	s	s	s	s	s	s
L. 37126 ...	..	....	....	....	11.0	24.1	....	37.0	....	50.0	....	....	....	....
L. 37285 ...	..	37.5	46.2	55.2	8.4	19.0	....	30.4	....	41.5	....	....	....	....
γ Aquilae ...	..	15.4	23.3	32.1	44.3	54.4	....	4.7	....	14.4	24.9	....	....	....
α Aquilae ...	..	36.8	44.8	53.1	5.0	15.0	....	25.0	....	35.6	46.0	58.2	....	....
L. 37918 ...	..	....	....	....	30.9	42.1	....	53.5	....	15.7	....	....	....	....
L. 38172 ...	..	....	16.1	26.3	41.5	54.6	....	7.1	....	20.0	....	....	....	....
λ Urs. min. ..	..	....	....	....	....	36.0	59.0	....	34.0	55.0	....	....	....	....
L. 38666 ...	..	0.5	11.8	23.4	40.2	54.4	....	8.5	....	23.0	....	....	....	....
L. 38768 ...	..	....	....	....	....	....	....	54.0	....	4.5	15.4	....	....	....
L. 38927 ...	..	....	....	....	....	41.6	....	51.7	....	2.0	12.2	24.4	....	....
L. 39455 ...	..	....	54.0	25.8	14.0	53.0	14.0	33.0	52.8	13.0	....	....	....	....
L. 39497 ...	..	25.0	33.2	42.0	54.3	5.5	....	16.0	....	26.7	....	....	....	....
L. 39894 ...	..	47.8	56.0	8.9	24.7	37.9	....	51.1	....	4.3	....	....	....	....
α Cygni	..	0.4	11.8	23.4	40.2	54.6	....	8.4	....	22.5	....	....	....	....
L. 40133 pr.	..	....	56.0	....	16.1	27.0	....	37.2	....	....	....	....	....	....
L. » seq.	..	....	....	....	....	....	....	....	....	48.4	59.2	12.0	20.4	28.8

W — 14.8 O + 27.2 λ Urs. min. }
W′ + 17.4 O′ — 5.6 α Aquilae } $n = -0^s.864$

$c = +0^s.514$
$m = +0.530$

	$m + \alpha$
γ Aquilae ...	$-2^m 28.^s 24$
α Aquilae ..	28.25
α Cygni	27.97
um $20^h 2^m$	— 2 28.15

Vom 29. August bis 9. Sept. tägl. Gang: $+0^s.45$.

1859	Grösse	1	2	3	I	II	4	III	5	IV	V	6	7	8
Sept. 12. ☾														
Beob. H., M.														
L. 37993? ...	..	....	....	....	0.6	11.0	....	21.0	....	31.0	41.5	53.4	....	....
λ Urs. min. ..	..	....	....	....	....	....	....	24.0	38.0	....	....	....	....	....
L. 39663	..	....	51.1	4.0	23.8	40.0	....	....	....	12.6	....	....	....	....
α Cygni	..	59.6	11.0	22.3	39.4	53.6	....	7.8	....	21.5	35.8	53.0	4.3	15.8
L. 40167	..	....	....	....	46.5	59.6	....	12.1	....	25.2	....	....	....	....
32 Vulpeculae	..	....	17.9	27.0	40.4	52.0	....	3.2	....	14.5	25.9	39.5	48.8	57.6

W — 14.4 O + 29.6 λ Urs. min. }
W′ + 21.3 O′ — 5.1 32 Vulpec. } $n = -1^s.042$

$c = +0^s.514$
$m = +0.761$

	$m + \alpha$
α Cygni	$-2^m 26.^s 91$
32 Vulpec. ..	26.89
um $20^h 45^m$	— 2 26.90

Vom 9. bis 12. September tägl. Gang: $+0^s.34$.

Mittel der Fäden	Corr. des Instr.	Mikroskop I	II	III	IV	Libelle S	N	Mittel der Lesungen	Corr. wegen Libelle
h m s	s							° ′ ″	″
19 30 37.08	— 0.05	11.5	4.8	5.7	3.5	25.3	14.3	8 49 6.7	— 6.0
19 34 30.45	+ 0.17	48.5	41.1	41.1	36.7	25.4	14.2	23 46 42.4	— 6.1
19 42 4.57	+ 0.37	3.7	57.0	51.2	50.8	25.6	14.2	37 53 56.5	— 6.2
19 46 25.49	+ 0.39	24.2	16.6	13.2	11.8	25.1	14.7	39 40 16.9	— 5.7
19 49 53.42	+ 0.14	9.5	3.6	2.1	58.4	24.6	15.3	21 57 3.8	— 5.0
19 55 7.22	— 0.03	20.5	14.4	14.5	11.6	24.8	15.1	10 9 15.4	— 5.2
20 7 18.29	— 18.11	....	....	....	....	....	....	....	......
20 6 8.83	— 0.14	46.2	41.0	44.2	39.3	24.8	15 2	3 2 43.4	— 5.2
20 8 53.72	+ 0.19	5.1	57.8	58.7	54.9	24.7	15.3	24 47 59.9	— 5.1
20 12 51.85	+ 0.65	39.8	30.6	28.8	25.3	24 8	15.5	56 39 31.2	— 5.0
20 21 33.41	— 1.27	27.1	28.1	27.7	25.2	23.8	16.7	332 49 27.4	— 3.8
20 23 48.05	+ 0.24	34.2	25.9	26.0	22.8	24.8	15.7	28 58 27.6	— 4.9
20 34 51.35	— 0.07	42.0	36.3	38.5	34.4	24.3	16 0	7 16 38.2	— 4.5
20 39 8.59	— 0.13	9.6	5.9	6.8	3.2	24.0	16.6	3 24 6.4	— 4.0
90 42 37.41	+ 0.29	....	....	....	....	....	....	....	......
20 42 38.41	+ 0.29	15.3	18.0	6.2	4.6	24.6	15.8	32 33 11.1	— 4.8

	Uhrzeit.	Bar.	Therm. R. inn.	Therm. R. äuss.	Polpunkt
					318° 11′ 6.″2
	20h 0m	27.″715	+14.°9	+13.°4	5.3
NE = 0.0	20 45	27.710	+14.8	+12.6	6.7
					318 11 6.1

19 52 21.01	+ 0.71	14.8	7.8	5.7	3.3	26.0	18.0	58 32 8.5	— 5.0
20 7 23.02	— 27.30	....	....	....	....	....	....	....	......
20 28 56.34	— 0.49	37.6	35.3	40.2	32.3	26.5	18.0	356 21 36.6	— 5.2
20 39 7.66	— 0.31	4.9	1.7	2.8	59.1	25.5	19.0	3 24 2.4	— 4.2
20 43 12.31	— 0.17	4.9	58.6	0.0	55.6	25.5	19.0	9 52 0.1	— 4.2
20 51 3.25	+ 0.04	8.7	2.4	2.2	58.0	25.5	19.0	20 39 3.2	— 4.2

	Uhrzeit.	Bar.	Therm. R. inn.	Therm. R. äuss.	Polpunkt
S 23.6 N 19.8					
S′ 25.0 N′ 18.8					318° 11′ 3.″2
	20h 10m	27.″665	+11.°1	+8.°9	3.9
NE = — 1.2	20 50	27.655	+10.8	+8.9	318 11 3.5

1859	Grösse	1	2	3	I	II	4	III	5	IV	V	6	7	8
Sept. 13. ♂														
Beob. W.		s	s	s	s	s	s	s	s	s	s	s	s	s
✱ (28) 1859 *	..	....	....	....	34.7	47.5	....	....	....	13.3	25.8	38.6	....	....
✱ ☄ 1859 I .	..	....	27.5	....	....	45.3	58.8	11.0	24.5	37.4	3.3	34.5	55.7	15.8
γ Aquilae...	..	14.7	22.6	30.5	42.5	53.4	....	3.5	....	13.5	23.5	36.4	44.4	53.2
α Aquilae...	..	35.7	43.6	51.7	4.4	14.3	....	24.4	....	34.6	44.5	....	5.3	13.0
λ Urs. min...	..	....	....	....	57.0	....	....	....	....	....	....	....	15.0	21.0
β Aquilae...	..	....	....	....	....	....	....	....	....	....	13.7	25.7	....	41.5
✱ (16) 1859 .	..	24.7	33.5	41.7	54.7	5.5	....	....	....	26.6	37.4	49.5	58.4	7.5
✱ (16) 1859 .	..	....	....	....	....	....	....	57.5	....	2.8	13.5	26.4	35.5	43.4
✱ (16) 1859 *	..	....	....	7.5	19.3	31.2	....	42.5	....	54.3	5.5	17.3	....	....
α^2 Capric....	..	....	....	....	....	....	....	44.5	....	54.3	4.5	17.3	25.5	34.8
✱ (20) 1859 .	..	....	....	....	....	....	....	....	....	....	....	....	29.3	38.4
W. Z. XXIX 34	..	....	17.5	25.7	38.4	49.3	....	59.4	....	10.3	20.4	33.7	42.5	50.7
W.Z. XXVII 131	..	....	....	54.5	6.3	17.3	....	27.5	....	38.3	48.5	....	9.7	18.4
61^1 Cygni ..	..	4.4	14.5	24.5	39.6	52.4	....	5.5	....	17.6	30.5	46.5	56.5	6.7
Anonyma ...	..	....	21.5	29.4	42.6	52.5	....	3.5	....	13.8	24.4	....	45.4	54.5
W.Z. XXIX 105	..	16.6	25.4	33.5	46.4	56.7	....	7.4	....	18.0	28.5	41.4	49.4	58.5
✱ (31) 1859 .	..	....	8.3	16.6	28.5	38.7	....	49.2	....	58.8	9.0	21.4	29.3	37.4
W.Z. XXIX 136	..	....	11.8	20.6	33.5	....	....	54.6	....	4.5	15.6	28.4	36.3	45.4
W.Z. XXXII 50*	..	....	....	....	....	....	....	59.4	....	11.1	22.3	34.1	....	....
ζ Pegasi....	..	7.5	15.4	23.5	35.5	46.4	....	56.5	....	6.6	16.3	29.2	37.5	45.4
W.Z. XXXII 73	..	....	....	....	....	....	....	55.3	....	5.5	16.6	28.5	37.5	45.6
W.Z. XLII 125	..	10.4	18.5	27.3	39.2	49.5	....	0.3	....	....	21.4	34.5	42.5	51.4
W.Z. XL 23 .	..	....	....	....	48.5	58.8	....	9.5	....	19.5	29.7	43.5	51.5	59.5
W.Z. XL 42 ..	..	....	....	....	8.6	19.3	....	29.8	....	40.3	50.5	3.5	11.4	20.3
W.Z. XXXIX 9*	..	....	....	....	....	....	....	43.3	....	55.2	6.3	18.0	....	....
γ Piscium...	..	33.7	41.5	49.3	1.5	12.1	....	22.2	....	31.5	42.0	54.5	2.4	10.6
✱ ☄ 1847 I*	..	....	....	....	....	32.5	....	51.7	....	11.0	29.5	49.7	....	....
Ceres.......	..	....	....	....	45.5	56.4	....	7.5	....	18.2	29.4	42.2	51.4	59.7

W + 28.8 O − 9.2 λ Urs. min.
W′ − 0.4 O′ + 15.1 α^2 Capric. } $n = -1^s.037$

$c' = +0^s.514$
$m = +1.564$

$F - F^* = -0^r.835$
$= -2^s.575$

	m + n
γ Aquilae ...	$-2^m 27^s.17$
α Aquilae	27.20
β Aquilae ..	27.02
α^2 Capric. ..	27.26
61^1 Cygni ..	27.24
ζ Pegasi	27.01
γ Piscium ...	26.95
um $20^h 55^m$	−2 27.12

Vom 13. bis 20. September tägl. Gang: $+0^s.38$.

Mittel der Fäden	Corr. des Instr.	Mikroskop I	Mikroskop II	Mikroskop III	Mikroskop IV	Libelle S	Libelle N	Mittel der Lesungen	Corr. wegen Libelle
h m s	s							° ′ ″	″
19 22 0.24	− 2.46	44.3	53.2	40.1	43.8	34.0	8.3	79 45 45.8	− 0.4
19 34 11.36	+ 0.96	54.8	0.3	59.5	52.9	34.2	8.0	295 24 57.5	− 0.6
19 42 3.49	+ 0.33	7.8	59.5	57.6	55.4	34.0	8.3	37 54 0.1	− 0.4
19 46 24.41	+ 0.37	29.3	21.5	18.2	15.8	34.3	8.2	39 40 22.1	− 0.6
20 7 22.10	− 27.06	....	....	....	....	....	....	....	......
19 50 53.23	+ 0.41	56.2	48.3	45.2	42.7	34.6	7.9	42 6 48.6	− 0.9
19 57 15.97	+ 0.90	6.8	58.7	56.0	50.2	33.8	8.8	67 4 59.2	+ 0.1
20 0 52.42	+ 0.89	36.3	30.4	23.2	23.6	33.0	9.5	66 51 28.7	+ 0.9
20 6 42.51	− 1.82	18.4	10.3	6.3	1.2	33.0	11.4	66 41 10.4	+ 1.9
20 12 44.17	+ 0.77	17.3	10.1	6.3	0.9	33.0	10.5	61 8 10.0	+ 1.4
20 42 47.45	+ 0.85	21.2	12.6	10.5	5.8	33.8	10.2	65 11 13.9	+ 0.8
20 51 59.75	+ 0.22	54.0	43.3	46.4	40.8	33.6	10.6	30 50 47.9	+ 1.1
20 57 27.69	+ 0.22	32.7	23.2	22.6	18.0	33.9	10.4	30 52 24.4	+ 1.1
21 3 5.38	− 0.16	17.8	10.4	12.8	6.8	34.1	10.2	10 7 12.7	+ 0.6
21 10 3.43	+ 0.22	46.8	37.5	39.4	32.7	34.7	9.7	31 17 40.8	+ 0.1
21 15 7.45	+ 0.21	31.1	19.9	24.1	18.0	34.0	10.1	30 56 24.8	+ 0.6
21 19 48.89	+ 0.61	22.0	15.8	12.7	9.6	34.0	10.2	53 6 15.2	+ 0.7
21 24 54.41	+ 0.20	57.1	45.9	47.5	43.7	33.8	10.5	30 52 49.7	+ 1.0
22 31 59.59	− 2.45	33.6	27.7	24.1	20.5	32.5	12.0	31 54 26.8	+ 2.5
22 36 56.36	+ 0.34	25.4	19.7	17.3	12.7	33.0	11.8	38 4 19.6	+ 2.1
22 40 55.30	+ 0.23	42.6	32.7	35.3	29.3	33.2	11.3	31 53 36.6	+ 1.7
22 45 0.56	+ 0.25	46.7	37.4	38.3	34.1	32.8	12.0	32 33 39.5	+ 2.3
22 50 9.35	+ 0.23	51.1	40.8	43.8	37.8	32.9	11.8	31 58 47.0	+ 2.2
22 58 29.79	+ 0.24	19.1	8.8	12.1	6.1	32.3	12.3	32 28 12.3	+ 2.7
23 5 43.62	− 2.43	41.7	33.6	34.5	29.1	33.0	12.0	32 22 35.7	+ 2.2
23 12 21.96	+ 0.46	17.1	10.0	6.7	5.2	33.4	11.4	45 39 9.8	+ 1.7
23 19 51.69	− 5.15	42.0	37.3	44.7	34.1	32.7	11.9	352 36 40.0	+ 2.3
23 24 7.59	+ 0.96	6.9	3.0	57.3	50.8	32.7	12.2	69 30 1.4	+ 2.5

S 31.0 N 11.8
S′ 5.6 N′ 36.6

NE = + 25.1

L − L* = + 1ˢ.844
= + 85″.38

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
19ʰ 23ᵐ	27.″550	+ 12.°7	+ 10.°7
19 58	27.548	+ 11.8	+ 9.8
20 54	27.546	+ 11.6	+ 9.4
21 27	27.545	+ 11.7	+ 9.3
22 52	27.541	+ 10.9	+ 7.8
23 1	27.539	+ 10.8	+ 7.7

Polpunkt
318° 11′ 16.″6
16.4
16.7
18.1
15.8
16.9
19.7
318 11 17.17

1859	Grösse	1	2	3	I	II	4	III	5	IV	V	6	7	8
Sept. 20. ♂														
Beob. W.		s	s	s	s	s	s	s	s	s	s	s	s	s
✱ (16) 1859	$8\frac{1}{2}$	....	....	....	....	....	....	13.4	....	24.4	34.3	47.4	56.2	4.5
✱ (16) 1859	$8\frac{1}{2}$	....	54.4	2.5	15.3	....	....	36.7	....	47.0	57.5	10.4	19.5	27.7
λ Urs. min.	..	....	....	....	....	....	....	55.0	....	....	....	31.0	....	40.0
α^2 Capric.	..	....	0.4	8.5	20.3	31.5	....	41.0	....	....	2.2	14.8	22.3	31.4
✱ / 1858 VIII	$8\frac{1}{2}$	....	....	....	....	....	....	....	....	....	....	....	....	14.7
ρ Capric.	..	....	34.8	43.3	55.5	6.3	....	17.2	....	27.4	38.1	51.0	59.3	8.3
α Cygni	..	56.4	7.5	19.3	36.4	50.3	....	4.2	....	18.2	32.5	49.7	1.1	12.5
✱ (30) 1859	$8\frac{1}{2}$	....	....	....	....	....	....	....	....	....	5.8	18.5	26.8	35.3
WZ XXVII 115	9	....	....	....	....	....	....	48.6	....	58.5	9.3	21.5	30.2	39.3
W.Z. XXV 50	8	23.0	31.3	39.5	52.4	2.5	....	13.3	....	23.6	34.5	46.6	55.3	3.4
ζ Cygni	..	27.5	37.3	....	0.2	11.5	....	23.6	....	35.2	46.7	0.8	10.0	19.3
WZ. XXIX 105	$7\frac{1}{2}$	....	....	31.5	43.3	53.7	....	4.6	....	15.3	26.0	38.4	46.7	55.3
✱ (51) 1859	8	....	....	....	26.2	36.4	....	46.5	....	56.5	6.3	18.2	26.5	34.7
WZ. XXIX 136	$7\frac{1}{2}$	....	....	....	30.0	40.7	....	51.2	....	1.5	12.6	25.3	33.5	42.5
Anonyma	$7\frac{1}{2}$	15.3	....	32.4	44.6	55.1	....	5.3	....	15.5	26.3	38.4	47.6	....
WZ XXVII 223	8	....	....	....	....	....	....	....	....	....	50.8	3.4	12.4	21.1
ε Pegasi	..	....	....	....	....	33.3	....	43.5	....	53.7	3.5	16.3	24.4	32.6
W.Z. XXIII 96	..	....	....	....	....	....	....	3.1	....	13.7	23.5	36.4	44.8	53.2
✱ (44) 1858	8	....	33.8	42.2	54.3	5.2	....	15.5	....	25.6	36.4	49.0	57.4	5.8
γ Piscium	..	31.1	39.2	47.0	59.3	9.4	....	19.6	....	29.1	39.4	51.7	59.5	7.9
Ceres	..	24.8	33.2	42.5	....	5.5	....	16.9	....	27.6	38.4	51.7	0.3	9.2
WZ. XXXIX 67	8	4.2	12.4	21.0	33.3	44.1	....	54.0	...	5.2	15.3	27.8	36.4	44.7
W.Z. XXX 100	8	....	....	....	0.3	10.5	....	21.4	....	31.1	....	55.2	3.4	12.4
ι Piscium	..	....	....	37.4	49.8	59.6	....	9.8	....	20.2	30.3	42.5	50.5	58.5

W + 8.3 O + 8.4

W′ + 31.8 O′ − 15.0

λ Urs. min., α^2 Capric. } $n = -0^s.448$

$c = +0^s.514$

$m = +1.576$

	$m + x$
α^2 Capric.	$-2^m 24^s.52$
ρ Capric.	.....
α Cygni	24.39
ζ Cygni	24.44
ε Pegasi	24.55
γ Piscium	24.39
ι Piscium	24.40
um $21^h 45^m$	−2 24.45

Vom 20. bis 21. September tägl. Gang: — $0^s.49$.

1859	Grösse	1	2	3	I	II	4	III	5	IV	V	6	7	8
Sept. 21. ☿														
Beob. W.														
α Aquilae	..	....	....	....	....	12.3	....	22.3	....	32.2	42.5	55.1	3.5	11.6
λ Urs. min.	..	....	....	....	51.0	....	....	....	29.0	....	....	1.0		....
β Aquilae	..	....	....	....	31.5	41.3	....	51.5	....	1.7	11.5	24.3	32.2	40.3
✱ (16) 1859	$8\frac{1}{2}$	23.3	31.6	....	52.5	....	....	14.2	....	24.9	35.3	48.3	57.0	5.4
✱ (16) 1859	$8\frac{1}{2}$	....	....	....	....	40.2	....	50.0	....	0.5	11.4	23.6	32.7	41.5

Mittel der Fäden	Corr. des Instr.	Mikroskop I	II	III	IV	Libelle S	N	Mittel der Lesungen	Corr. wegen Libelle
h m s	s							° ′ ″	″
19 57 13.44	+ 0.70	47.5	39.6	36.2	30.3	21.5	24.2	67 4 39.4	+ 2.3
20 6 36.56	+ 0.69	26.4	21.8	13.6	11.8	21.7	24.0	66 42 18.6	+ 2.1
20 6 41.47	+ 3.76	....	....	....	....	....	....	....	......
20 12 41.48	+ 0.63	3.0	53.1	51.3	46.5	21.5	24.2	61 7 54.7	+ 2.3
20 15 23.58	+ 0.69	46.3	38.5	32.7	30.4	21.6	24.0	66 54 37.4	+ 2.1
20 23 17.06	+ 0.69	27.9	18.2	16.0	12.3	21.6	24.0	66 25 19.4	+ 2.1
20 39 4.40	+ 0.28	55.8	52.3	53.1	48.9	21.3	24.8	3 23 54.4	+ 2.7
20 42 44.70	+ 0.67	6.3	56.2	56.1	49.2	21.3	24.8	65 23 58.8	+ 2.7
20 51 48.38	+ 0.40	34.9	23.2	25.3	19.6	21.8	24.1	30 50 27.2	+ 2.1
21 0 13.23	+ 0.40	1.0	51.1	54.4	55.8	21.4	24.7	31 13 56.8	+ 2.6
21 9 23.53	+ 0.34	21.3	15.4	17.6	10.3	21.1	25.2	18 31 17.0	+ 3.0
21 15 4.67	+ 0.40	15.6	4.1	7.8	2.3	21.5	25.1	30 56 8.8	+ 2.8
21 19 46.28	+ 0.56	6.7	1.4	56.7	50.2	21.9	24.4	53 6 0.6	+ 2.2
21 24 51.37	+ 0.40	41.2	30.3	31.2	26.6	21.6	24.7	30 52 33.3	+ 2.5
21 31 5.45	+ 0.41	52.5	41.6	46.0	38.8	21.3	25.2	32 35 46.5	+ 2.9
21 35 30.01	+ 0.40	11.2	0.7	3.4	57.3	21.0	25.2	30 50 4.5	+ 3.1
21 39 43.51	+ 0.45	11.6	2.7	3.4	0.0	21.4	25.2	38 56 5.7	+ 2.9
21 45 2.95	+ 0.41	4.4	53.0	57.5	50.2	21.2	25.2	31 14 58.2	+ 3.0
21 56 15.54	+ 0.65	2.3	55.9	50.3	44.2	20.8	25.8	63 8 55.0	+ 3.5
23 12 19.40	+ 0.49	0.2	51.0	50.8	45.7	22.0	26.1	45 38 51.9	+ 3.0
23 18 16.86	+ 0.73	54.4	45.6	44.3	38.4	21.5	26.7	69 56 47.4	+ 3.6
23 25 54.42	+ 0.41	50.5	41.5	43.2	37.3	21.3	26.4	32 22 44.2	+ 3.6
23 31 21.24	+ 0.40	50.4	40.0	40.6	36.4	21.0	26.8	30 30 42.3	+ 3.9
23 35 9.98	+ 0.48	1.0	52.5	52.8	47.7	21.5	26.5	23 17 53.5	+ 3.5

S 23.5 N 21.5
S′ 22.0 N′ 23.0

NE = + 1.5

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
20h 8m	27.″564	+ 10.°6	+ 8.°5
20 17	27.560	+ 10.2	+ 8.1
20 44	......	+ 9.8	+ 7.7
21 33	27.564	+ 9.7	+ 7.1
22 0	......	+ 9.5	+ 7.0
23 20	27.562	+ 8.8	+ 6.3
23 37	......	+ 8.5	+ 6.0

Polpunkt	
318° 11′	4.″5
	3.7
	3.8
	2.1
	5.0
	4.0
	1.8
318 11	3.56

19 46 22.44	+ 0.36	20.7	11.0	9.7	7.5	25.2	17.7	39 40 13.0	— 3.8
20 7 14.20	— 29.42	....	....	....	....	....	....	....	......
19 50 51.62	+ 0.41	45.4	38.5	35.0	32.9	25.2	17.9	42 6 38.3	— 3.7
19 57 14.21	+ 0.91	55.2	47.3	44.2	39.1	25.0	18.0	67 4 46.9	— 3.6
20 0 50.17	+ 0.90	25.3	18.7	12.4	10.0	24.8	18.2	66 51 16.8	— 3.3

1859	Grösse	1	2	3	I	II	4	III	5	IV	V	6	7	8
Sept. 21. ♀														
(Fortsetzung)		s	s	s	s	s	s	s	s	s	s	s	s	s
✱ ⑯ 1859 .	8½	46.4	54.5	3.4	16.0	26.4	....	37.1	....	....	58.5	11.3	19.7	28.4
Anonyma ...	8½	....	39.6	48.5	1.5	11.4	....	22.5	....	32.3	43.4	55.7	4.5	13.1
ρ Capric. ...	..	....	35.0	43.5	....	7.0	....	17.4	....	....	38.4	51.5	0.2	8.4
WZ.XXVII52	9	45.3	53.5	1.7	14.4	25.2	....	35.4	....	46.3	56.5	....	18.0	26.7
Anonyma ...	9½	....	9.3	18.5	30.5	....	....	52.5	....	....	13.5	26.3	....	43.4
W. Z. XXX 39	7½	....	10.4	....	31.5	42.3	....	53.0	....	3.5	14.2	26.7	35.4	43.8
WZ.XXVI148	8	57.1	5.5	14.2	26.5	37.2	....	47.4	....	....	8.4	21.5	29.4	38.5
Ceres	..	37.1	45.5	53.5	7.3	17.5	....	28.4	....	39.3	....	....	12.3	20.5
κ Piscium. ..	..	22.6	30.5	39.2	50.4	0.4	....	11.3	....	21.0	31.3	43.4	51.1	59.5
WZ.XXVI189	7	5.3	13.4	21.5	34.6	45.3	....	55.3	....	5.5	16.4	29.3	37.4	46.5
ι Piscium. ..	..	22.3	30.5	38.3	50.4	0.5	....	10.7	....	20.6	31.2	43.3	51.4	59.4
W.Z. XXI 286	8	....	....	....	....	9.4	....	19.4	....	30.5	40.6	53.3	2.4	10.3
WZ.XXXI139	8½	....	....	....	....	....	....	....	....	....	....	25.3	34.2	42.5
WZXXXVI25	8	34.2	42.4	50.6	3.5	14.0	....	24.2	....	34.6	45.3	57.4	6.3	14.6
ω Piscium ..	..	....	....	....	....	23.2	....	33.4	....	43.5	53.5	5.6	14.2	21.8
✱ ㉟ 1858 .	9	18.6	26.8	....	....	57.4	....	6.8	....	17.0	27.2	39.5	....	56.0
γ Pegasi....	..	....	46.3	54.4	6.7	17.3	....	27.4	....	38.1	48.3	1.1	....	17.7
✱ ㊾ 1858 .	9½	....	....	16.5	27.7	....	....	48.6	....	57.8	8.4	20.7	28.6	37.4
Anonyma ...	8½	....	....	....	2.3	12.4	....	22.6	....	32.3	42.4	54.5	3.0	10.4

W + 20 8 O − 4.0 λ Urs. min. }
W′ − 4.8 O′ + 21.2 ρ Capric. } $n = -1{}^{s}\!.083$

$c = +\,0^{s}\!.514$
$m = +\,1.184$

	$m + x$
α Aquilae...	$-2^{m}25^{s}\!.34$
β Aquilae...	25.51
ρ Capric. ...	25.57
κ Piscium...	25.06
ι Piscium. ..	25.15
ω Piscium...	25.31
γ Pegasi ...	25.21
um $22^{h}9^{m}$	−2 25.31

Vom 21. bis 24. September tägl. Gang — $0^{s}\!.10$.

Sept. 24. ♄														
Beob. W.														
ρ Capric. ..	..	27.4	35.6	44.5	56.7	7.2	....	17.8	....	28.4	39.1	51.7	0.6	9.3
WZ.XXVII55	7½	....	36.5	44.5	....	7.5	....	18.4	....	28.5	39.3	51.5	0.5	8.5
λ Urs. min. .	..	....	....	....	....	....	....	....	....	....	....	7.0	....	17.0
α Cygni	..	58.5	9.6	20.8	37.7	52.1	59.5	6.4	13.7	20.5	....	....	....	....
✱ ⑳ 1859 .	8	57.0	4.7	13.6	26.3	36.7	....	47.4	....	57.8	8.5	21.1	29.6	37.8
γ Piscium. ..	..	32.5	40.4	48.6	0.7	10.7	....	20.6	....	31.0	40.5	52.8	....	9.2
W.Z.XXXI 73	7	....	....	49.7	2.8	13.2	....	23.7	....	34.2	44.8	57.2	5.6	14.4
κ Piscium. ..	..	23.7	31.3	39.3	51.6	1.7	....	11.8	....	21.6	32.0	44.1	52.4	0.2
W.Z. XXI 264	7½	58.2	6.4	14.8	27.7	38.2	....	48.4	....	59.1	9.6	22.3	30.5	38.8
W.Z.XXX100	8	....	....	....	....	....	....	....	....	33.5	44.4	56.7	5.2	14.3

Mittel der Fäden	Corr. des Instr.	Mikroskop I	II	III	IV	Libelle S	N	Mittel der Lesungen	Corr. wegen Libelle
h m s	s							° ′ ″	″
20 6 37.24	+ 0.90	33.8	28.1	21.5	19.3	25.0	18.0	66 42 26.0	— 3.6
20 15 22.21	+ 0.87	18.3	11.0	7.1	2.9	24.9	18.0	65 25 10.6	— 3.5
20 23 17.50	+ 0.90	33.5	25.1	22.3	18.2	24.8	18.0	66 25 25.7	— 3.5
20 29 35.68	+ 0.20	54.5	44.3	47.7	40.0	24.8	18.2	30 44 48.4	— 3.3
20 39 52.25	+ 0.87	....	....	....	....	....	....	65 20	......
23 4 52.93	+ 0.19	49.4	40.4	42.1	37.7	23.8	20.5	30 11 44.1	— 1.6
23 11 47.63	+ 0.21	31.6	21.5	23.8	17.2	23.8	20.3	31 5 25.1	— 1.7
23 17 28.65	+ 0.98	8.3	2.3	57.1	53.0	24.0	20.1	70 0 0.2	— 1.9
23 22 10.98	+ 0.50	44.0	34.4	30.5	29.3	24.5	19.6	47 40 35.5	— 2.4
23 28 55.52	+ 0.21	49.5	41.4	41.0	36.3	24.0	20.0	31 7 43.1	— 1.9
23 35 10.78	+ 0.43	7.8	0.0	58.4	54.6	24.7	19.8	43 18 0.2	— 2.4
23 39 19.82	+ 0.22	21.8	10.4	15.0	7.9	24.2	19.9	31 26 15.2	— 2.1
23 42 52.04	+ 0.23	53.2	42 6	43.1	40.0	24.5	19.6	32 0 45.2	— 2.4
23 49 24.30	+ 0.24	6.5	55.2	56.9	50.5	24.0	20.0	33 2 59.2	— 1.9
23 54 33.37	+ 0.41	57.1	48.4	44.4	43.4	24.6	19.7	42 4 49.5	— 2.4
0 3 7.17	+ 0.62	49.1	40.4	37.0	33.3	23.8	20.4	53 47 41.6	— 1.6
0 8 27.70	+ 0.25	10 8	59.3	0.3	56.4	23.9	20.4	33 46 2.4	— 1.7
0 12 48.36	+ 0.58	39.7	29.5	26.8	25.3	24.0	20.3	51 49 31.3	— 1.8
0 18 22.36	+ 0.60	40.0	27.2	26.7	23.5	24.5	19.8	52 32 30.9	— 2.3

S 25.6 N 18.7
S′ 25.3 N′ 19.2

NE = + 0.4

Uhrzeit.	Bar.	Therm. R. inn.	Therm. R. äuss.
20h 0m	27.″495	+12.°0	+10.°7
20 25	27.493	+12.0	+10.6
23 24	27.458	+10.9	+ 8.8
23 57	27.452	+10.8	+ 8.6
0 21	27.453	+10.7	+ 8.4

Polpunkt
318° 11′ 4.″1
3.7
2.6
4.1
1.8
2.7
3.1

318 11 2.16

20 23 18.05	+ 0.94	31.8	23.5	19.6	16.5	23.6	18.5	66 25 23.7	— 2.3
20 30 18.18	+ 0.16	0.8	50.5	54.0	46.8	23.0	19.0	30 47 54.9	— 1.7
20 7 18.00	— 36.03	....	....	....	....	....	....	....	......
20 39 6.40	— 0.48	58.9	53.7	59.3	53.0	23.0	19.2	3 23 58.1	— 1.8
20 42 47.34	+ 0.90	7.0	57.4	56.0	51.2	23.0	18.5	65 10 59.8	— 2.0
23 12 20.69	+ 0.46	3.2	54.1	53.9	49.8	23.0	19.8	45 38 57.1	— 1.3
23 16 23.71	+ 0.18	22.1	11.2	14.3	8.6	23.0	19.7	31 41 15.5	— 1.4
23 22 11.81	+ 0.50	43.3	32.1	30.0	28.3	23.0	19.7	47 40 34.4	— 1.4
23 27 48.56	+ 0.18	32.8	22.4	22.9	18.7	22.8	19.8	31 32 25.7	— 1.2
23 31 23.14	+ 0.16	52.8	43.1	42.2	37.3	23.0	19.5	30 30 44.3	— 1.5

1859	Grösse	1	2	3	I	II	4	III	5	IV	V	6	7	8
Sept. 24. ♄														
(Fortsetzung)		s	s	s	s	s	s	s	s	s	s	s	s	s
ι Piscium ...	..	....	....	39.5	51.4	1.4	....	11.6	....	21.8	31.4	44.1	52.2	0.5
W.Z. XXI 286	$8\frac{1}{2}$	....	....	....	....	10.4	....	20.5	....	30.5	41.6	54.4	2.6	11.4
Anonyma ...	$8\frac{1}{2}$	....	....	....	....	24.4	....	34.2	....	44.8	55.3	8.4	16.1	25.5
W.Z. XXX 143	$8\frac{1}{2}$	....	23.6	32.2	44.7	55.8	....	6.4	....	....	27.4	40.2	48.6	57.4
W.Z. XXXIV 3	9	....	....	....	....	....	....	....	....	....	10.8	23.3	31.9	40.4
W.Z. XXX 160	9	12.6	21.3	29.5	42.4	52.8	....	3.5	....	13.8	24.3	37.4	....	53.9
W.Z. XXXV 81	..	....	....	....	1.3	11.7	....	22.0	....	33.4	43.7	56.0	5.3	13.1
✳ (45) 1858 .	8	31.7	39.8	48.0	0.4	10.5	....	20.4	....	30.5	40.5	52.5	1.0	9.0
✳ (45) 1858 .	8	....	....	....	....	....	....	....	....	....	....	48.7	57.5	5.4
Anonyma ...	8	....	....	....	....	35.5	....	46.3	....	56.5	6.5	19.3	27.6	....
α Cassiop. ..	..	37.2	51.4	5.8	27.3	45.3	54.0	3.2	11.5	20.6	38.8	59.7	15.0	29.1
α Urs. min...	..	....	36.0	....	5.0	....	4.0	....	....	....	....	....	....	....

W — 7.0 O + 22.4
W′ + 12.7 O′ + 2.2

λ Urs. min., ρ Capric. $\} \; n = -1^s.210$

α Urs. min., ι Piscium. $\} \; n = -1.206$

Im Mittel: $n = -1.208$

$c = +0^s.514$
$m = +0.917$

	$m + x$
ρ Capric. ...	$-2^m 26^s.20$
α Cygni	25.72
γ Piscium...	25.64
κ Piscium ..	25.89
ι Piscium. ..	26.04
α Cassiop. ..	25.74
um $22^h 38^m$	-2 25.87

Vom 24. bis 27. September tägl. Gang: $-0^s.42$.

Sept. 26. ☾														
Beob. H. M.														
L. 39242 ...	..	....	....	2.1	14.7	24.9	....	35.2	....	45.4	....	....	....	....
L. 39497 ...	..	23.3	31.3	40.0	53.0	3.4	....	14.3	....	25.0	....	....	....	....
L. 39620 ...	..	....	....	1.5	13.6	23.4	....	33.4	....	43.7	....	....	....	....
L. 39830 ...	..	....	....	....	25.4	38.2	....	51.5	....	5.0	....	....	....	....
L. 39938 ...	..	....	....	....	....	....	....	....	....	....	....	24.0	32.6	40.3
λ Ursae min. .	..	....	....	....	....	....	....	....	....	....	....	....	13.7	17.7
32 Vulpeculae	..	....	....	....	39.8	51.4	....	3.0	....	14.1	25.4	39.1	....	....
L. 40679 ...	..	....	....	....	18.7	32.6	....	46.6	....	0.5	14.3	....	....	....
L. 40796 ...	..	....	....	....	....	....	....	....	....	....	....	22.6	31.0	39.0
L. 40990 ...	..	....	....	....	....	....	....	9.2	....	19.4	30.1	44.0	....	....
L. 41305 ...	..	....	....	....	....	....	....	8.0	....	22.0	36.0	53.0	5.0	....
L. 41410 ...	..	....	....	....	....	....	....	....	....	34.9	46.0	0.0	9.0	18.0
L. 41630 ...	..	....	....	....	....	36.2	....	50.0	....	2.3	15.9	....	....	....
L. 41747 ...	..	....	....	....	....	31.4	....	41.7	....	52.0	2.1	14.1	....	....
L. 41944 ...	..	....	....	....	5.1	18.2	....	31.0	....	43.4	....	....	....	....

Mittel der Fäden	Corr. des Instr.	Mikroskop I	II	III	IV	Libelle S	N	Mittel der Lesungen	Corr. wegen Libelle
h m s	s							° ′ ″	″
23 35 11.69	+ 0.42	6.7	0.5	57.3	52.3	22.8	19.8	43 27 59.8	− 1.2
23 39 20.62	+ 0.17	20.2	9.4	12.2	5.9	23.0	19.5	31 26 13.3	− 1.5
23 45 24.51	+ 0.17	25.7	16.7	15.4	10.5	22.9	20.0	31 18 17.3	− 1.1
23 50 6.24	+ 0.15	27.8	17.2	17.8	13.6	22.3	20.8	30 12 19.3	− 0.4
23 52 49.66	+ 0.16	14.3	6.4	6.1	0.5	22.6	20.3	30 42 6.9	− 0.8
23 57 3.41	+ 0.15	57.0	47.3	48.9	44.7	22.0	20.8	30 11 51.3	− 0.2
0 10 22.59	+ 0.17	43.7	34.9	33.6	29.2	22.3	20.8	31 15 35.7	− 0.4
0 16 20.41	+ 0.59	5.7	56.0	55.6	51.0	22.7	20.4	51 50 59.0	− 0.8
0 19 16.79	+ 0.60	55.1	47.2	41.6	41.2	22.7	20.5	52 24 48.1	− 0 8
0 26 45.98	+ 0.21	30.7	21.8	24.0	18.3	22.4	20.8	32 55 24.6	− 0.4
0 35 3.03	− 0.86	1.2	57.5	5.0	55.0	22.2	21.0	352 25 0.3	− 0.2
1 11 26.57	− 27.54	....	....	....	....	....	....	....	......

S 24.1 N 18.1
S′ 23.5 N′ 19.0

NE = + 0.8

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.	Polpunkt
				318° 11′ 2.″1
20h 25m	27.″832	+ 13.°4	+ 12.°8	3.7
20 45	27.835	+ 13.3	+ 12.5	4.3
23 14	27.825	+ 12.8	+ 11.6	4.2
0 1	27.825	+ 12.3	+ 11.1	2.9
0 38	27.826	+ 12.2	+ 10.8	3.7
				318 11 3.48

Mittel der Fäden	Corr. des Instr.	Mikroskop I	II	III	IV	Libelle S	N	Mittel der Lesungen	Corr. wegen Libelle
20 25 35.33	+ 0.87	57.8	50.5	45.7	42.1	23.0	17.3	63 18 49.3	− 3.1
20 26 14.25	+ 0.11	26.3	19.2	18.8	14.5	22.6	17.8	28 58 20.2	− 2.6
20 29 33.68	+ 0.65	5.4	57.5	56.5	52.1	22.9	17.8	54 28 58.6	− 2.8
20 33 51.70	− 0.39	11.3	7.3	10.7	4.3	22.7	17.9	7 37 8.8	− 2.6
20 36 51.84	+ 0.62	18.3	11.2	8.5	5.5	22.5	18.0	53 9 11.0	− 2.5
20 7 17.81	− 37.66	....	....	....	....	....	....	....	......
20 51 2.80	− 0.07	2.2	6.0	57.4	51.8	23.0	17.7	20 39 0.6	− 2.9
20 55 46.47	− 0.48	10.8	7.3	9.8	3.8	22.2	18.2	4 15 7.9	− 2.2
20 59 50.38	+ 0.63	26.5	19.7	18.8	14.4	22.5	18.0	53 32 20.7	− 2.5
21 4 8.99	+ 0.07	19.0	12.1	12.8	7.5	22.2	18.2	26 58 13.3	− 2.2
21 11 7.81	− 0.51	20.7	15.2	19.5	13.4	22.0	18.7	3 13 17.7	− 1.8
21 15 23.70	+ 1.21	20.7	17.0	9.8	7.1	22.0	18.5	75 7 14.1	− 1.9
21 19 49.61	− 0.38	38.2	33.1	34.9	29.1	21.7	18.7	7 50 34.7	− 1.7
21 23 41.69	+ 0.73	36.8	30.4	27.7	22.9	21.9	18.7	57 42 29.7	− 1.8
21 28 30.91	− 0.33	8.8	1.4	2.5	59.3	21.9	18.7	9 40 3.4	− 1.8

1859	Grösse	1	2	3	I	II	4	III	5	IV	V	6	7	8
Sept. 26. ☾ (Fortsetzung)		s	s	s	s	s	s	s	s	s	s	s	s	s
L. 42055 ...	..	....	....	....	....	....	....	46.4	....	....	1.5	13.3	....	....
L. 42276 ...	..	....	....	....	....	4.5	13.1	21.4	29.6	38.1	....	....	....	....
ε Pegasi	..	....	4.9	13.0	25.3	35.3	....	45.4	....	56.0	6.0	18.4	....	....
L. 42503 ...	..	....	....	....	44.0	57.2	....	11.0	....	24.5	38.1	....	....	....
L. 42606 ...	..	....	....	....	....	21.1	....	33.5	....	45.6	57.9	....	....	....
16 Pegasi ...	..	....	....	....	....	....	....	....	....	20.0	31.1	44.8	53.9	2.6
L. 42767 ...	..	....	....	....	....	....	....	....	....	34.0	43.9	55.1	4.1	12.2
L. 42910 ...	..	....	....	....	....	....	....	43.4	....	55.6	7.8	22.2	....	....
L. 43023 ...	..	....	....	....	....	....	....	53.6	....	7.1	21.0	38.1	....	....
α Aquarii...	..	....	....	....	....	....	....	....	....	....	22.9	34.5	42.9	51.0
L. 43208 ...	..	....	....	....	....	44.8	....	55.1	....	5.2	15.7	....	....	....
L. 43344 pr..	..	....	....	....	39.0	49.6	....	0.3	....	11.1	22.1	....	....	....
L. 43612 ...	..	....	14.6	23.1	35.0	45.1	....	55.2	....	5.3	15.4	....	....	....
L. 43741 ...	..	....	....	....	....	....	....	44.2	....	55.0	5.8	18.7	....	....
L. 43898 ...	..	....	....	....	....	....	....	....	....	....	....	19.6	27.7	36.0
L. 44111 ...	..	....	....	....	....	39.8	....	52.8	....	5.5	19.0	34.9	....	....
L. 44296 ...	..	....	....	....	12.9	25.0	....	36.1	....	47.8	....	....	....	....
Aquarii	..	....	....	....	....	....	....	....	....	....	....	59.5	7.5	16.0
L. 44600 ...	..	....	....	....	....	....	....	....	....	....	....	49.0	58.1	6.8
L. 44753 ...	..	....	....	....	....	....	....	54.3	....	6.9	20.0	36.6	....	....
L. 44904 ...	..	....	....	....	....	....	....	38.2	....	48.3	58.3	10.2	....	....
L. 45007 ...	..	....	....	....	....	....	....	....	....	....	....	....	48.8	57.1
α Pegasi ...	..	....	....	....	....	4.1	....	14.5	....	25.2	35.3	48.1	56.1	4.3
L. 45507 ...	..	....	....	55.9	8.0	17.8	....	28.1	....	38.1	48.4	....	....	....
L. 45682 ...	..	....	....	....	7.1	17.0	....	27.3	....	....	47.5	....	....	....
L. 45822 ...	..	56.0	3.9	12.5	25.3	35.4	....	46.2	....	....	....	....	....	....

W + 10.5 O + 3.3 λ Urs. min., ε Pegasi } $n = -1^s.242$

W′ − 10.0 O′ + 23.8

$c = +0^s.514$

$m = +0.777$

Vom 12. bis 26. September tägl. Gang: $+0^s.02$.

	$m + n$
32 Vulpec. ...	$-2^m 26^s.51$
ε Pegasi	26.64
16 Pegasi...	26.67
α Aquarii ...	26.74
α Pegasi ...	26.52
um $21^h 52^m$	−2 26.62

Sept. 27. ♂ Beob. W.														
Anonyma ...	8½	....	....	....	....	....	....	....	....	43.7	54.3	6.8	15.7	24.4
λ Urs. min..	..	....	....	....	....	....	....	....	....	....	36.0	....	8.0	....
WZ.XXVII52	9	....	55.4	4.5	16.4	27.2	....	37.6	....	47.5	57.5	....	18.8	....
α Cygni	..	....	11.3	22.5	39.4	53.5	1.0	7.7	14.8	21.9	35.8	....	....	....
✱ (56) 1859.	9	....	....	....	44.5	54.3	....	5.1	....	15.3	25.8	38.5	46.5	55.6

Mittel der Fäden	Corr. des Instr.	Mikroskop I	II	III	IV	Libelle S	N	Mittel der Lesungen	Corr. wegen Libelle
h m s	s							° ′ ″	″
21 31 41.29	+ 0.62	32.3	24.7	20.9	19.8	21.9	18.6	52 51 24.5	− 1.8
21 36 21.40	− 0.79	5.8	2.0	4.9	59.3	22.0	18.8	355 14 3.7	− 1.8
21 39 45.68	+ 0.32	15.1	8.7	16.6	4.2	22.2	18.1	38 56 11.9	− 2.3
21 43 11.03	− 0.44	56.4	51.2	55.3	50.7	21.5	19.1	5 45 53.7	− 1.3
21 46 33.50	− 0.22	25.7	20.1	20.8	16.5	22.0	18.7	14 0 20.9	− 1.8
21 49 9.10	− 0.02	34.4	28.3	28.9	23.0	22.5	18.0	22 54 28.8	− 2.5
21 52 23.66	+ 0.54	47.9	42.7	37.2	36.7	22.0	18.6	49 36 41.4	− 1.9
21 55 43.60	− 0.21	1.1	54.2	54.8	49.5	22.1	18.8	14 39 55.2	− 1.8
21 58 53.45	− 0.47	46.6	44.0	45.3	40.6	21.9	18.8	4 30 44.4	− 1.7
22 1 2.58	+ 0.53	57.5	51.5	46.7	45.1	22.1	19.0	49 9 50.5	− 2.0
22 4 55.10	+ 0.25	55.5	48.6	46.2	41.6	21.8	19.0	35 53 49.0	− 1.6
22 9 0.47	+ 1.05	45.7	41.5	34.3	31.9	21.8	19.0	69 54 38.6	− 1.6
22 16 55.38	+ 0.75	28.9	21.9	18.0	14.2	22.0	18.8	58 28 21.5	− 1.7
22 20 44.27	+ 1.03	30.7	25.7	20.1	16.3	21.5	19.2	69 5 24.1	− 1.3
22 24 46.50	+ 0.80	13.5	5.0	2.2	58.7	21.2	19.6	60 35 5.7	− 0.9
22 29 52.78	− 0.37	56.6	51.3	13.3	46.5	21.2	19.8	8 4 52.6	− 0.8
22 34 36.24	− 0.10	34.0	27.5	30.2	23.8	21.0	20.0	19 11 29.8	− 0.6
22 37 27.35	+ 0.48	56.8	49.5	47.8	45.1	20.9	20.1	46 48 50.1	− 0.9
22 43 14.72	+ 1.01	47.0	40.7	35.6	31.9	20.5	20.6	68 34 39.4	0.0
22 47 53.98	− 0.39	16.0	10.4	13.3	7.3	20.5	20.7	7 35 12.6	+ 0.1
22 53 38.19	+ 0.56	27.4	19.3	16.8	12.8	21.1	20.2	50 19 19.6	− 0.5
22 56 7.95	+ 0.31	27.7	19.8	17.8	14.7	22.1	19.4	38 37 20.5	− 1.5
23 0 14.59	+ 0.21	15.5	6.2	5.3	1.8	22.0	19.8	33 43 7.6	− 1.2
23 10 28.18	+ 0.34	38.3	32.3	27.4	25.8	21.2	20.0	40 8 31.9	− 0.7
23 15 27.31	+ 0.36	1.5	55.0	52.9	49.8	21.6	20.0	40 52 55.5	− 0.9
23 19 46.40	+ 0.13	39.6	31.3	30.0	25.8	21.7	19.8	29 57 31.9	− 1.1

S 26.0 N 14.2
S′ 26.0 N′ 14.0

NE = − 0.1

Uhrzeit	Bar.	Therm. R. inn.	äuss.
20h 45m	27.″840	+ 14.°5	+ 13.°2
22 35	27.835	+ 13.4	+ 12.3
23 25	27.836	+ 13.5	+ 11.9

Polpunkt
318° 11′ 4.″4
5.7
1.6
5.2
0.8
318 11 3.5

20 12 33.09	+ 0.97	21.3	14.0	9.5	4.2	27.2	14.0	66 56 13.7	− 6.9
20 7 18.40	− 39.93	....	....	....	....	....	....	....	......
20 29 37.36	+ 0.14	57.3	47.1	50.8	43.4	27.3	14.0	30 44 51.5	− 7.0
20 39 7.82	− 0.54	....	....	....	....	....	....	....	......
20 41 4.91	+ 0.93	42.7	36.3	31.0	27.8	27.0	14.0	65 21 34.8	− 6.8

1859	Grösse	1	2	3	I	II	4	III	5	IV	V	6	7	8
Sept. 27. ♂														
(Fortsetzung)		s	s	s	s	s	s	s	s	s	s	s	s	s
WZ.XXVII107	7	41.3	49.6	58.4	10.5	21.3	....	31.9	....	42.3	....	5.5	14.5	22.4
κ Piscium ...	..	....	33.2	41.2	53.5	2.8	....	13.5	....	23.4	33.6	45.4	53.6	1.5
WZ.XXVI189	7	7.5	15.5	24.3	36.8	47.4	....	57.5	....	8.5	19.3	31.7	40.3	48.4
ι Piscium ...	..	24.6	32.5	40.5	52.8	3.0	....	13.2	....	....	33.2	45.5	53.4	1.7
Mnemosyne *	..	....	....	53.7	4.5	16.3	....	27.4	....	38.3	49.0	....	....	....
W.Z. XXXVI 119	8	....	....	33.6	45.8	56.5	1.3	6.0	....	17.2	27.5	40.2	48.5	56.5
α Cassiop. ..	..	....	52.6	7.4	28.7	46.8	55.5	4.5	13.5	22.7	40.0	1.4	16.3	30.5
Anonyma ...	8	28.3	36.7	45.4	57.8	8.4	....	19.2	....	29.5	40.3	52.6	1.4	9.5
ε Piscium ...	..	....	....	....	....	58.8	....	....	....	19.2	....	41.5	49.6	57.7
α Urs. min...	..	....	....	4.0	....	....	....	....	....	....	....	....	....	....
WZ.XXXV216	8½	40.6	48.8	57.5	10.4	20.6	....	31.5	....	42.0	52.5	4.7	13.5	21.7
Vesta	..	24.5	32.5	40.5	53.3	3.5	....	13.3	....	23.3	32.7	45.4	53.5	1.8

W + 10.8 O + 2.5
W′ − 12.6 O′ + 25.7

λ Urs. min., α Cygni } $n = -1^s.285$

α Urs. min., ε Piscium } $n = -1.258$

Im Mittel: $n = -1.272$

F—F* = − 0ˢ.904
= − 2ˢ.788

$c = +0^s.514$
$m = +0.732$

	$m + n$
α Cygni	$-2^m 27^s.12$
κ Piscium ...	27.42
ι Piscium ...	27.39
α Cassiop. ..	27.10
ε Piscium ...	27.49
um $23^h 26^m$	−2 27.30

Vom 27. bis 29. September tägl. Gang: — 0ˢ.87.

1859	Grösse	1	2	3	I	II	4	III	5	IV	V	6	7	8
Sept. 29. ♃														
Beob. W.														
✱ 1858 VIII	8	....	....	9.5	....	33.4	....	43.4	....	....	4.5	16.3	25.4	33.5
✱ 1858 VIII	8	8.8	17.3	25.7	38.4	48.3	....	58.7	....	8.5	19.3	31.7	39.7	48.4
λ Urs. min...	..	....	....	....	....	....	....	....	....	....	....	....	3.0	....
W.Z. XXV 11	8	47.4	55.5	4.5	16.5	28.0	....	37.8	....	48.4	58.6	10.7	20.3	28.2
✱ 1858 VIII	8	....	....	....	17.4	27.7	....	37.6	....	47.4	57.8	9.5	17.7	25.7
61¹ Cygni ...	..	....	....	....	43.7	56.3	....	8.5	....	21.5	34.4	49.3	59.8	10.4
W.Z. XXIX86	8	....	18.4	26.5	39.7	49.7	....	0.5	....	11.3	21.7	34.5	42.5	51.6
Anonyma ...	9	....	....	....	....	....	....	52.7	....	3.5	13.5	26.2	34.8	42.5
W.Z. XVI 139	8	....	....	....	35.4	45.6	....	56.2	....	7.3	17.5	29.5	38.5	47.4
Anonyma ...	7	....	19.3	27.5	40.5	51.3	....	1.4	....	11.7	22.5	34.5	43.2	51.4
β Aquarii ...	..	....	....	....	....	....	....	41.5	....	51.9	1.6	13.8	22.4	30.3
Anonyma ...	8½	....	....	....	....	0.8	....	11.4	....	21.7	32.4	45.2	53.0	1.8
WZ.XXVII223	8	....	....	2.5	14.7	25.7	....	36.0	....	46.5	57.4	9.5	18.3	26.5
W. Z. XXI 3 .	6½	....	....	50.5	3.5	13.7	....	23.8	....	34.5	44.7	57.5	6.2	14.5
W. Z. XXI 12	7	9.4	18.1	26.6	39.3	49.5	....	0.2	....	10.8	21.3	33.6	42.4	50.5

Mittel der Fäden	Corr. des Instr.	Mikroskop I	Mikroskop II	Mikroskop III	Mikroskop IV	Libelle S	Libelle N	Mittel der Lesungen	Corr. wegen Libelle
h m s	s							° ′ ″	″
20 48 31.89	+ 0.14	24.2	15.3	15.8	10.3	26.7	14.4	30 40 17.2	— 6.5
23 22 13.35	+ 0.50	45.5	36.3	32.8	30.9	27.0	15.0	47 40 37.4	— 6.3
23 28 57.95	+ 0.15	50.6	42.1	42.3	36.2	26.7	15.3	31 7 43.9	— 6.0
23 35 13.07	+ 0.41	11.0	4.8	0.5	57.3	27.0	15.0	43 18 3.4	— 6.3
0 4 27.03	— 2.46	46.1	39.0	35.7	33.5	26.8	15.7	40 42 39.0	— 5.9
0 28 6.65	+ 0.18	56.6	48.2	47.4	42.2	26.5	15.8	32 46 49.8	— 5.7
0 35 4.54	— 0.96	4.2	1.1	7.2	57.8	26.3	16.0	352 25 3.2	— 5.4
0 55 19.03	+ 0.16	9.5	0.9	59.5	55.5	26.9	16.0	31 42 2.6	— 5.8
0 58 9.01	+ 0.36	....	....	....	....	....	....	....	......
1 11 29.00	— 29.64	....	....	....	....	....	....	....	......
1 3 31.27	+ 0.15	11.2	1.8	1.2	57.3	26.3	16.1	31 16 3.6	— 5.3
1 10 13.14	+ 0.64	8.4	58.5	58.4	54.0	26.5	16.2	53 53 1.1	— 5.4

S 28.3 N 13.0
S′ 28.0 N′ 13.2

NE = + 0.3

L — L* = — 1ʳ858
= — 86″.03

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.	Polpunkt	
				318° 11′	...
20h 14m	27.″723	+ 15.°0	+ 14.°4		1.″6
23 25	27.730	+ 13.8	+ 12.8		1.0
0 6	......	+ 13.8	+ 12.8		2.5
0 41	......	+ 13.5	+ 12.6		...
1 5	27.728	+ 13.6	+ 12.3		
				318 11	1.70

Mittel der Fäden	Corr. des Instr.	Mikroskop I	Mikroskop II	Mikroskop III	Mikroskop IV	Libelle S	Libelle N	Mittel der Lesungen	Corr. wegen Libelle
20 25 43.34	— 0.14	20.4	25.2	27.1	20.6	16.0	22.3	296 16 24.2	+ 3.0
20 31 58.60	— 0.19	24.0	31.4	32.8	25.0	15.0	23.0	298 7 29.2	+ 2.1
20 8 6.58	— 87.27	....	....	....	....	....	....	....	......
20 46 37.79	— 0.88	39.4	42.9	43.7	37.8	15.6	23.0	328 42 41.4	+ 2.4
20 58 37.44	— 0.40	45.4	48.6	51.2	43.5	15.3	23.2	308 39 47.7	+ 2.1
21 3 8.77	— 1.58	0.6	56.8	1.8	53.4	15.0	23.6	349 49 59.4	+ 1.7
21 8 0.55	— 0.89	59.0	1.7	3.3	55.7	14.8	23.5	328 58 0.6	+ 1.7
21 11 52.57	— 0.84	52.4	55.3	58.5	52.4	14.8	23.7	327 11 56.5	+ 1.6
21 17 56.38	— 0.87	32.5	34.0	37.6	29.6	14.6	24.0	328 23 35.1	+ 1.3
21 23 1.29	— 0.84	51.8	55.4	57.3	50.7	15.2	23.6	327 17 55.6	+ 1.8
21 26 41.58	— 0.34	1.0	7.0	7.8	2.4	15.2	23.6	305 36 4.6	+ 1.8
21 31 11.39	— 0.84	6.2	10.0	11.9	5.3	15.4	23.5	327 21 8.4	+ 2.0
21 35 35.99	— 0.89	47.3	50.8	50.9	46.4	14.9	23.8	329 6 49.4	+ 1.6
21 40 24.00	— 0.87	5.6	7.1	10.1	3.2	15.5	23.5	328 29 7.8	+ 2.1
21 45 5.14	— 0.87	43.2	46.1	47.6	42.3	14.6	24.4	328 24 45.3	+ 1.1

1859	Grösse	1	2	3	I	II	4	III	5	IV	V	6	7	8
Sept. 29. ♃														
(Fortsetzung)		s	s	s	s	s	s	s	s	s	s	s	s	s
Anonyma ...	9	....	....	44.7	56.8	7.3	....	17.5	....	28.3	38.5	51.6	59.5	7.7
WZ.XX 1162	8	11.8	20.7	29.5	42.3	52.5	....	0.6	....	13.7	23.8	36.5	44.7	53.5
W.Z.XXIV 27	8	....	....	....	....	4.8	....	15.0	....	26.3	36.8	49.5	57.5	6.4
W.Z.XXXII 4	8	....	....	....	....	23.5	....	33.5	....	44.5	54.5	7.4	15.8	23.9
Anonyma ...	9	....	....	....	....	....	....	36.2	....	46.6	57.5	....	19.3	28.5
W.Z.XXVI 39	9	....	13.4	21.5	34.5	44.5	....	55.4	....	....	16.5	28.8	37.3	45.8
ζ Pegasi	..	11.0	....	27.5	39.2	49.7	....	59.6	....	10.4	20.5	32.4	40.5	49.3
* (45) 1858 .	8½	32.8	40.5	48.8	1.4	11.5	....	21.4	....	31.5	41.5	53.7	1.5	9.7
12 Ceti	..	36.3	44.3	52.4	4.5	14.7	....	24.6	....	34.7	44.8	57.2	5.2	13.1
α Cassiop....	..	42.7	56.6	11.5	33.0	50.4	59.7	8.3	17.0	26.4	44.5	5.8	20.2	34.4
β Ceti	..	....	....	....	....	....	....	....	....	....	....	38.4	46.8	55.5
α Urs. min...	..	....	23.0	49.0	49.0	....	....	....	....	....	....	....	....	....
WZ.XXXV 216	8	....	....	0.3	13.5	23.5	....	34.5	....	44.5	54.5	7.8	16.4	24.6
Vesta	..	39.3	47.4	55.3	7.5	18.0	....	27.5	....	38.2	47.7	0.4	8.5	16.4
θ¹ Ceti	..	43.5	51.4	0.2	12.5	22.4	....	32.4	....	42.6	52.5	....	13.5	21.4

W + 5.3 O + 5.6
W′ − 18.0 O′ + 26.0

λ Urs. min., β Aquarii } $n = -1^s.212$

α Urs. min., β Ceti } $n = -12.94$

Im Mittel: $n = -1.253$

$c = -0^s.474$

$m = +0.383$

Vom 27. bis 29. September tägl. Gang: $-0^s.87$.

	m + n
61¹ Cygni ...	$-2^m 29^s.44$
β Aquarii ...	29.31
ζ Pegasi	29.53
12 Ceti	29.44
α Cassiop. ..	29.28
β Ceti	29.34
θ¹ Ceti	29.44
um $23^h 27^m$	-2 29.40

1859	Grösse	1	2	3	I	II	4	III	5	IV	V	6	7	8
Octob. 3. C														
Beob. H. M.														
λ Urs. min...	..	....	....	....	....	....	....	....	....	....	....	....	....	0.7
ζ Cygni.....	..	37.9	47.3	56.4	10.3	21.8	....	33.4	....	45.1	56.5	10.0	19.8	29.2
L. 41430 ...	..	....	....	....	....	....	....	27.8	35.3	44.0	0.2	....	....	....
L. 41630 ...	..	....	4.0	14.9	31.2	44.0	....	57.1	....	....	....	....	....	....
L. 41771 ...	..	54.6	5.1	15.6	31.3	44.0	....	56.8	....	10.2	....	....	....	....
L. 41967 ...	..	....	....	11.3	27.6	....	....	40.6	....	54.0	7.3	....	....	....
L. 42276 ...	..	....	....	36.0	55.9	12.5	21.2	29.1	37.5	45.8	....	....	....	....
L. 42503 ...	..	....	24.0	35.1	51.6	5.0	....	8.4	....	32.4	....	....	....	....
L. 42584 ...	..	....	....	....	....	15.0	....	24.9	....	33.0	....	....	....	....
L. 41923 ...	..	....	....	21.9	37.8	51.2	....	4.5	....	....	....	....	....	....
α Aquarii ...	..	21.3	29.2	37.4	49.6	59.5	....	9.4	....	19.5	30.0	41.8	50.0	57.9
L. 43208 ...	..	....	....	....	....	52.0	....	2.6	....	12.6	23.2	....	....	....
L. 43414 ...	..	....	....	....	....	....	....	....	....	....	....	....	....	....
L. 43563 ...	..	....	26.4	34.9	47.0	57.3	....	7.5	....	18.1	....	....	....	....
L. 43784 ...	..	....	....	18.5	30.8	40.8	....	50.7	....	1.0	....	....	....	....

Mittel der Fäden	Corr. des Instr.	Mikroskop I	II	III	IV	Libelle S	N	Mittel der Lesungen	Corr. wegen Libelle
h m s	s							° ′ ″	″
21 59 17.66	— 0.88	55.0	58.2	58.5	52.2	15.2	24.0	328 47 56.0	+ 1.6
22 7 2.85	— 0.88	34.6	37.0	39.4	33.2	14.5	24.7	328 49 37.1	+ 0.9
22 11 15.43	— 0.91	4.0	4.7	8.4	0.8	14.5	24.7	329 41 5.8	+ 0.9
22 15 33.74	— 0.85	12.7	13.8	17.9	11.1	15.1	24.0	327 52 14.7	+ 1.6
22 24 36.11	— 0.98	....	....	....	....	....	....	333 36.3 ...	......
22 28 55.28	— 0.88	32.7	35.9	38.5	32.7	14.3	25.0	328 38 36.6	+ 0.6
22 36 59.89	— 0.70	47.8	49.6	52.4	45.5	14.6	24.8	321 52 50.6	+ 0.9
0 19 21.28	— 0.39	4.9	6.1	12.4	4.0	15.3	24.8	307 32 8.2	+ 1.2
0 25 24.69	— 0.38	20.3	24.4	27.0	20.5	15.5	24.7	307 3 23.3	+ 1.4
0 35 8.46	— 2.68	3.0	55.7	0.0	53.8	15.2	25.1	3 31 59.4	+ 1.0
0 39 4.32	— 0.07	....	....	....	....	....	....	....	......
1 12 12.23	— 70.51	....	....	....	....	....	....	....	......
1 3 34.18	— 0.88	55.5	58.1	0.1	52.8	16.0	24.0	328 40 57.9	+ 2.1
1 8 27.82	— 0.35	1.6	7.4	9.7	3.9	15.8	24.8	305 51 5.7	+ 1.5
1 19 32.43	— 0.28	2.3	6.7	11.0	1.0	15.2	25.1	302 53 5.3	+ 1.0

S 18.0 N 19.0
S′ 29.5 N′ 7.0

NE = — 11.8

Uhrzeit.	Bar.	Therm. R. inn.	Therm. R. auss.	Polpunkt
				41° 45′ 55.″7
20h 20m	27.″498	+16.°2	+15.°0	54.1
20 48	......	+16.2	+14.8	55.9
21 46	27.493	+15.9	+14.4	56.1
0 22	27.480	+14.8	+13.0	55.0
1 10	27.485	+14.6	+12.3	....
				55.1
				41 45 55.32

20 8 4.67	— 87.44	....	....	....	....	....	....	....	......
21 9 33.43	— 1.25	38.3	36.5	40.1	35.2	17.7	24.0	71 25 38.1	— 3.8
21 14 27.53	— 2.32	54.2	50.9	53.3	47.5	17.9	23.9	93 39 51.8	— 3.7
21 19 57.10	— 1.65	24.7	20.6	28.2	19.5	17.6	24.0	82 6 23.4	— 3.9
21 23 57.00	— 1.60	24.9	20.2	25.9	18.6	17.4	24.1	80 49 22.9	— 4.1
21 28 40.56	— 1.69	52.6	48.5	56.1	46.1	17.0	24.7	82 53 51.8	— 4.6
21 36 29.19	— 2.40	52.8	48.0	52.0	44.2	21.5	20.0	94 42 49.6	+ 0.4
21 43 18.64	— 1.75	1.4	58.8	4.3	54.2	21.2	20.5	84 11 0.4	— 0.1
21 46 24.93	— 0.48	21.2	20.5	29.1	20.4	21.3	20.3	41 53 23.7	+ 0.1
21 56 4.54	— 1.70	36.7	32.9	39.3	29.3	21.5	20.0	83 3 34.8	+ 0.4
22 1 9.58	— 0.45	2.1	0.6	9.2	59.2	21.6	20.0	40 47 3.5	+ 0.4
22 5 2.41	— 0.75	2.2	5.9	8.4	2.2	21.5	20.0	54 3 4.7	+ 0.4
....	....	12.2	7.5	4.2	4.2	21.5	19.9	84 44 10.3	+ 0.4
22 15 7.70	— 0.78	....	....	....	....	....	....	....	......
22 21 50.78	— 0.50	....	....	....	....	....	....	....	......

1859	Grösse	1	2	3	I	II	4	III	5	IV	V	6	7	8
Octob. 3. C														
(Fortsetzung)		s	s	s	s	s	s	s	s	s	s	s	s	s
ζ Pegasi	..	....	....	30.3	42.9	53.0	....	3.3	....	13.6	24.0	36.0	44.2	52.4
L. 44490 ...	..	....	....	....	0.7	11.0	....	21.2	....	31.4	....	....	....	....
L. 44600 ...	..	....	....	....	0.7	11.0	....	22.0	....	32.8	43.6	....	....	....
L. 44708 ...	..	....	19.2	28.0	40.1	50.3	....	0.9	....	11.1	....	....	....	....
L. 44903 ...	..	....	...	....	7.5	19.0	....	30.1	....	42.1	53.6	....	....	....
L. 45092 ...	..	....	....	....	57.0	10.8	....	24.6	....	38.4	52.6	....	....	....
L. 45191 ...	..	....	....	....	....	48.4	....	58.3	....	8.4	18.6	....	....	....
L. 45303 ...	..	....	....	....	....	....	....	45.5	....	55.4	....	18.0	26.1	....
Pisces	..	....	....	44.6	56.8	7.0	....	17.0	....	27.3	....	....	....	....
L. 45682 ...	..	....	....	....	14.1	24.3	....	34.3	....	44.4	....	....	....	....
L. 45822 ...	..	3.0	11.3	19.5	....	....	....	....	....	....	....	....	....	....
ϰ Piscium ...	..	....	39.2	47.5	59.5	9.4	....	19.6	....	29.9	40.0	52.0	0.0	....
L. 46163 ...	..	....	....	....	....	....	....	38.6	....	49.0	59.1	11.4	....	....
L. 46394 ...	..	....	....	....	....	....	....	....	....	28.1	38.3	51.1	0.0	....
L. 46496 ...	..	....	...	....	....	....	....	....	....	32.9	42.4	55.1	3.4	....
δ Sculptoris .	..	16.2	26.0	35.1	49.0	0.3	....	11.5	....	23.1	35.0	48.1	7.3	....
L. 46764 ...	..	....	....	....	....	45.1	....	55.6	....	5.7	16.0	....	....	....
ω Piscium ...	..	....	....	....	21.5	32.0	....	42.0	....	52.1	2.3	14.3	22.9	31.0
L. 47211? ..	..	....	25.0	33.4	....	55.4	....	5.6	....	15.8	....	....	....	....
L. 47287 ...	..	....	....	....	....	46.2	....	58.3	....	9.9	21.7	....	....	....
L. 91	..	22.9	30.6	39.0	51.0	0.9	....	11.1	....	....	....	....	....	....
L. 248	..	53.6	4.6	15.7	32.0	46.0	....	59.9	....	....	....	....	....	....
L. 382	..	....	....	....	54.4	4.5	....	14.4	....	24.9	34.7	....	....	....
L. 482	..	....	....	....	....	....	....	....	....	14.0	25.0	37.4	45.8	54.3
L. 591	..	....	....	....	....	....	....	8.0	....	19.8	33.5	49.0	....	....
L. 722	..	....	....	....	....	....	....	....	....	44.3	54.5	6.4	15.0	23.3
L. 910	..	....	....	....	20.5	31.0	....	42.0	....	52.6	....	....	....	....
α Urs. min...	..	59.9	27.0	53.5	....	....	....	....	....	....	....	....	....	....

W′ + 11.8 O′ + 2.5
W − 13.4 O + 27.9

λ Urs. min., ζ Cygni } $n = -1^s.198$

α Urs. min., ω Piscium } $n = -1^s.231$

Im Mittel:
$n = -1^s.215$
$c = -0^s.474$
$m = +0.624$

	$m + \alpha$
ζ Cygni	$-2^m 32^s.93$
α Aquarii ...	32.82
ζ Pegasi	32.93
ϰ Piscium ...	32.75
δ Sculp.	32.65
ω Piscium ...	32.92
um $22^h 48^m$	−2 32.83

Vom 26. September bis 3. October tägl. Gang: $-0^s.86$.

Mittel der Fäden	Corr. des Instr.	Mikroskop I	Mikroskop II	Mikroskop III	Mikroskop IV	Libelle S	Libelle N	Mittel der Lesungen	Corr. wegen Libelle
h m s	s							° ′ ″	″
22 37 3.27	— 0.70	47.1	48.7	52 7	45.1	19.1	22.4	51 52 49.1	— 2.2
22 40 21.11	— 0.30	14.2	17.0	21.2	12.9	19.3	22.5	33 29 17.1	— 2.2
22 43 21.97	— 0.05	11.0	15.7	17.5	8.4	19.5	22.2	21 22 13.6	— 1.9
22 47 0.76	— 0.77	....	....	....	....	....	....	....	......
22 53 30.40	— 1.21	44.9	43.7	48.2	40.2	20.0	22.0	70 43 44.9	— 1.5
22 58 24.61	— 1.82	23.8	19.4	26.1	16.4	20.0	22.0	85 35 22.2	— 1.5
23 1 58.35	— 0.45	59.0	58.6	4.6	55.9	20.2	21.6	40 50 0.2	— 1.2
23 4 45.30	— 0.28	18.8	24.5	25.2	19.6	20.5	21.5	32 12 22.1	— 1.0
23 12 17.06	— 0.31	45.4	49.8	52.2	44.9	19.6	22.2	33 51 48.4	— 1.8
23 15 34.30	— 0.63	57.2	58.0	1.7	53.3	20.0	22.0	49 3 57.9	— 1.5
23 19 53.70	— 0.90	23.8	27.2	28.5	22.8	20.3	21.9	59 59 26.5	— 1.3
23 22 19.65	— 0.48	22.3	22.4	27.2	18.4	20.0	22.0	42 16 23.1	— 1.5
23 29 38.65	— 0.70	15.2	15.9	21.7	13.3	19.5	22.5	52 11 17.3	— 2.1
23 36 17.72	— 0.83	59.5	3.7	7.2	59.9	19.6	22.5	57 5 3.3	— 2.0
23 39 22.58	— 0.61	13.7	15.0	18.0	10.8	19.9	22.2	48 15 14.5	— 1.7
23 44 11.76	+ 0.13	39.4	43.4	46.2	36.4	19.4	22.9	12 55 42.0	— 2.3
23 47 55.24	— 0.74	20.5	23.2	27.1	19.5	19.3	22.9	53 52 23.1	— 2.4
23 54 42.04	— 0.61	6.7	7.8	13.1	5.7	19.4	22.7	47 52 8.7	— 2.2
23 59 5.59	— 0.60	0.2	3.1	5.3	57.5	19.5	22.0	47 27 1.9	— 1.8
0 2 58.12	— 1.28	44.2	42.1	45.7	37.9	19.8	22.5	72 39 42.8	— 1.9
0 8 11.19	— 0.59	42.5	44.9	50.4	42.7	19.5	23.0	47 10 45.8	— 2.3
0 12 59.83	— 1.79	50.8	46.8	51.9	44.2	19.5	23.0	84 59 49.4	— 2.3
0 16 14.53	— 0.44	11.3	10.8	17.7	7.8	19.8	22.4	40 8 12.7	— 1.8
0 20 3.27	— 0.93	13.0	14.7	16.9	11.8	19.7	22.6	61 4 14.5	— 2.0
0 23 7.71	— 1.56	5.8	3.2	6.8	58.2	19.4	23.0	79 57 3.9	— 2.4
0 26 33.93	— 0.25	5.7	10.2	30.2	6.3	20.0	22.5	30 56 13.9	— 1.8
0 31 41.84	— 0.96	42.2	41.7	44.2	39.9	20.0	22.6	62 7 42.6	— 1.8
1 12 14.08	— 67.34	....	....	....	....	....	....	....	......

S 15.0 N 25.4
S′ 14.1 N′ 26.0
NE = + 0.8

Uhrzeit.	Bar.	Therm. R. inn.	Therm. R. äuss.
20h 50m	27.″805	+14.°5	+13.°0
22 0	27.838	+14.6	+12.6
23 20	27.820	+13.9	+11.9

Polpunkt
131° 45′ 50.″6
49.8
50.2
50.7
50.0
49.0

131 45 50.1

1859	Grösse	1	2	3	I	II	4	III	5	IV	V	6	7	8
Octob. 4. ♂														
Beob. H. M.		s	s	s	s	s	s	s	s	s	s	s	s	s
λ Urs. min. ...	..	....	....	....	....	....	....	....	....	....	....	53.0	57.0	0.3
32 Vulpec. ...	..	....	....	....	....	....	....	....	....	....	....	47.2	56.1	5.1
L. 40987 ...	..	....	....	....	31.2	44.0	....	56.3	....	8.9	21.3	....	....	....
L. 41115 ...	..	....	....	....	47.2	59.1	....	11.4	....	23.3	35.4	....	....	....
L. 41254 ...	..	....	....	....	38.5	52.0	....	5.9	....	19.9	34.0	....	....	....
L. 41553 ...	..	....	....	....	50.1	1.1	....	12.2	....	23.2	34.2	....	....	....
L. 41654 ...	..	....	....	....	45.0	55.4	....	5.4	....	16.0	26.0	....	....	....
β Aquarii ...	..	57.3	5.3	13.5	25.8	36.0	....	46.1	....	56.1	6.2	18.2	26.3	34.4
L. 41980 ...	..	....	....	....	43.3	54.0	....	2.8	....	13.8	23.7	....	....	....
L. 42177 ...	..	....	....	4.0	23.0	38.5	....	54.1	....	9.6	....	....	....	....
L. 42324 ...	..	6.0	15.9	25.9	40.9	....	....	....	....	....	....	....	....	....
ε Pegasi	..	....	....	21.1	33.2	43.2	....	53.5	....	3.6	14.0	26.1	34.4	42.6
L. 42495 ...	..	....	....	....	....	....	....	53.3	....	9.6	....	45.1	....	....
L. 42635 ...	..	....	....	30.5	47.1	1.0	....	14.9	....	....	....	....	....	....
16 Pegasi...	..	....	....	....	....	5.5	....	17.0	....	28.0	39.4	52.4	1.4	10.6
L. 42791 pr..	..	....	....	....	37.4	47.3	....	57.6	....	7.5	17.6	....	....	....
L. 42919 ...	..	....	....	....	29.8	39.7	....	50.6	....	0.2	11.2	....	....	....
L. 43032 ...	..	....	....	....	....	0.1	....	10.1	....	20.0	....	....	....	....
L. 43112 ...	..	....	....	....	....	36.8	....	47.1	....	57.3	....	....	....	....
L. 43202 ...	..	....	....	....	....	57.3	....	8.0	....	19.0	....	....	....	....
L. 43281 ...	..	....	....	....	16.0	26.8	....	37.2	....	48.1	59.2	....	....	....
L. 43536 ...	..	....	....	....	49.8	28.9	48.3	7.0	26.5	45.7	....	....	....	....
L. 43612 ...	..	....	....	....	43.2	53.2	....	3.5	....	13.4	24.1	....	....	....
L. 43838 ...	..	....	....	....	27.0	37.2	....	47.3	....	57.3	8.0	....	....	....
L. 43901 ...	..	....	....	....	....	....	....	54.3	....	4.1	14.4	26.9	....	....
L. 44007 ...	..	....	....	....	....	13.0	....	23.0	....	33.3	....	....	....	....
L. 44183 ...	..	....	....	....	....	15.3	33.2	50.4	7.7	....	....	....	....	....
L. 44222 ...	..	....	....	....	16.1	26.5	....	36.8	....	46.7	57.2	....	....	....
L. 44477 ...	..	....	....	....	2.2	39.5	59.0	17.5	35.7	....	....	....	....	....
L. 44534 ...	..	....	....	....	....	56.2	....	9.1	22.0	....	....	....	....	....
L. 44613 ...	..	....	....	....	24.0	34.6	....	44.5	....	55.1	5.3	....	....	....
L. 44708 ...	..	....	....	....	41.0	51.2	....	1.6	....	11.8	22.2	....	....	....
L 44808 ...	..	....	6.0	14.6	26.8	....	....	....	....	....	....	....	....	....
z Piscium...	..	33.3	42.5	52.0	5.8	17.9	....	29.2	....	40.4	52.5	6.7	16.4	25.5
α Androm. ..	..	....	59.4	8.4	22.5	34.0	....	45.3	....	57.0	8.3	22.2	31.1	40.4
L. 176	..	....	....	....	53.9	5.9	....	18.6	....	30.6	43.0	....	....	....
L. 248	..	....	....	....	33.6	47.0	....	0.4	....	14.9	28.6	....	....	....
L. 382	..	....	....	....	55.1	5.2	....	15.0	....	25.2	35.4	....	....	....
L. 448	..	....	....	....	38.0	48.5	....	59.8	....	11.1	22.1	....	....	....
L. 591	..	....	....	....	43.2	55.8	....	8.1	....	21.8	34.7	....	....	....

Mittel der Fäden	Corr. des Instr.	Mikroskop I	Mikroskop II	Mikroskop III	Mikroskop IV	Libelle S	Libelle N	Mittel der Lesungen	Corr. wegen Libelle
h m s	s							° ' "	"
20 8 2.31	— 86.25	....	....	....	....	..	....	....	.....
20 51 10.71	— 1.16	....	....	....	....	....	....	....	.....
21 3 56.28	— 1.44	53.3	50.4	54.8	46.2	23.4	16.7	77 27 51.5	+ 4.8
21 7 11.28	— 1.39	50.2	48.5	53.3	44.7	23.7	16.7	76 3 49.5	+ 5.0
21 10 6.06	— 1.78	37.5	34.6	39.2	31.7	23.8	16.5	85 15 36.0	+ 5.1
21 18 12.11	— 1.05	57.8	56.6	0.7	55.4	24.0	16.2	65 50 58.9	+ 5 4
21 21 5.56	— 0.69	17.4	17.5	23.3	15.3	23.8	16.5	51 46 18.9	+ 5.1
21 26 45.91	— 0.35	55.3	0 9	1.0	56.0	24.0	16.5	35 35 57.6	+ 5.2
21 30 3.47	— 0.20	19.3	25.0	27.4	20.7	23.2	17.1	32 19 23.6	+ 4.5
21 33 54.07	— 2.16	6.5	2.1	4.8	58.2	23.4	16.9	91 49 3.3	+ 4.7
21 38 5.74	— 1.45	6.4	2.6	6.2	59.6	23.2	17.1	77 48 4.1	+ 4.5
21 39 53.51	— 0.67	39.8	41.1	45.1	39.0	23.2	17.0	51 0 41.3	+ 4.5
21 42 53.28	— 2.27	22.2	17.3	20.5	14.2	23.7	16.8	93 23 19.4	+ 4.9
21 47 14.72	— 1.77	14.8	10.1	15.2	10.7	23.4	17.0	85 0 12.8	+ 4.6
21 49 16.89	— 1.08	21.6	19.2	24.0	18.9	23.2	17.1	67 2 21.7	+ 4.5
21 52 47.43	— 0.55	42.2	43.9	49.0	42.0	23.5	16.9	45 16 44.9	+ 4.8
21 56 50.25	— 0.15	23.7	27.0	29.5	21.0	23.5	16.9	25 43 25.8	+ 4.8
22 0 10.03	— 0.44	56.2	59.5	1.3	56.2	23.5	17.1	40 11 59.6	+ 4.6
22 2 47.03	— 0.10	3.4	7.5	9.5	1.7	24.0	16.6	23 11 6.3	+ 5.2
22 5 8.06	— 0.04	33.9	37.4	40.3	30.7	23.6	16.9	20 7 36.2	+ 4.8
22 7 37.41	— 0.04	30.5	35.1	37.4	28.5	23.4	17.1	20 13 33.5	+ 4.6
22 12 7.12	— 6.25	8.7	59.8	1.1	54.2	22.9	17.6	116 43 1.4	+ 4.1
22 17 3.43	— 0.27	24.7	29.8	31.0	23.5	23.5	17.0	31 28 27.8	+ 4.7
22 22 47.31	— 0.74	49.2	53.0	55.3	49.3	23.2	17.3	52 20 52.8	+ 4.4
22 24 54.03	— 0.26	42.6	47.9	50.7	43.8	23.3	17.2	31 1 47.0	+ 4.5
22 27 23.07	— 0.69	19.7	20.0	26.3	18.4	23.1	17.3	51 49 21.6	+ 4.3
22 30 50.39	— 5.68	6.2	57.5	0.5	53.7	22.3	18.0	115 15 0.7	+ 3.5
22 33 36.61	— 0.18	28.8	33.5	33.9	28.6	22.8	17.8	27 0 31.4	+ 3.9
22 38 17.22	— 6.07	15.4	5.7	9.0	0.4	22.3	18.3	116 16 8.0	+ 3.3
22 41 9.05	— 1.55	18.8	8.8	13.0	2.4	23.0	17.6	80 14 11.6	+ 4.1
22 43 44 65	— 0.74	53.2	55.5	58.8	53.8	23.1	17.2	54 2 56.4	+ 4.4
22 47 1 51	— 0.77	45.8	48.2	48.8	42.8	23.1	17.3	54 59 47.4	+ 4.3
22 49 47.54	— 0.78	57.2	0.8	3.5	57.9	23.1	17.7	55 23 0.6	+ 4.1
22 52 29.27	+ 0.15	29.9	26.2	30.1	20.0	22.6	17.9	11 28 27.1	+ 3.7
0 3 45.34	— 1.18	16.5	13.8	17.4	12.2	23.8	17.4	70 5 15.8	+ 4.6
0 10 18.34	— 1.44	0.2	57.5	3.4	53.4	24.0	17.5	77 24 59.0	+ 4.7
0 13 0.83	— 1.77	43.5	38.5	45.2	37.2	23.9	17.4	84 59 42.1	+ 4.7
0 16 15.13	— 0.44	2.9	2.5	9.0	59.0	24.0	17.3	40 8 4.1	+ 4.8
0 18 59.85	— 0.98	16.4	16.3	18.6	13.7	24.3	17.1	63 17 17.1	+ 5.1
0 23 8.66	— 1.54	56.3	52.7	1.1	50.5	23.4	18.0	79 56 56.5	+ 4.1

1859	Grösse	1	2	3	I	II	4	III	5	IV	V	6	7	8
Octob. 4. ♂														
(Fortsetzung)		s	s	s	s	s	s	s	s	s	s	s	s	s
L. 722	..	....	....	....	9.0	19.1	....	29.1	....	39.3	49.7	....	....	....
L. 810	..	....	....	....	44.5	54.6	....	4.6	....	15.0	24.5	....	....	....
L. 982	..	....	....	....	....	45.9	....	55.9	....	6.1	....	....	....	....
L. 1071	..	....	....	....	52.9	2.8	....	13.0	....	23.3	33.3	....	....	....
α Urs. min...	..	1.0	27.5	53.0	....	....	....	....	....	....	....	....	....	....

W — 13.0 O + 25.2 λ Urs. min., 32 Vulpec. } $n = -1^s.165$
W′ + 10.1 O′ + 2 [illegible]
α Urs. min., α Androm. } $n = -1^s.215$

Im Mittel
$n = -1^s.190$
$c = -0^s.474$
$m = +0.634$

	$m + x$
32 Vulpec. ..	$-2^m 33^s.46$
β Aquarii ...	33.69
ε Pegasi	33.56
16 Pegasi...	33.49
α Pisc. A. ..	33.63
α Androm. ..	33.72
um $22^h 17^m$	—2 33.59

Vom 3. bis 4. October tägl. Gang: — $0^s.81$.

1859	Grösse	1	2	3	I	II	4	III	5	IV	V	6	7	8
Octob. 5. ♀														
Beob. W.														
α Cygni	..	....	....	....	20.5	35.0	42.3	49.1	56.4	3.6	17.4	34.5	46.3	57.5
λ Urs. min...	..	....	....	....	....	....	....	....	....	....	....	....	....	30.0
Anonyma ...	9½	....	....	....	27.5	....	....	47.7	....	57.5	7.7	20.5	....	36.9
61¹ Cygni ...	..	....	56.5	6.4	22.5	35.3	....	47.5	....	0.5	13.5	28.5	39.3	48.5
ζ Cygni	..	13.3	22.4	32.1	45.9	57.4	....	8.7	....	20.5	31.8	46.4	55.6	4.5
W. Z. XXVII 174	9	....	....	....	....	39.5	....	....	....	1.5	11.7	23.5	33.5	....
W. Z. XXVII 187	8	41.6	50.3	58.8	11.5	22.5	....	32.3	....	43.5	53.5	6.5	15.3	23.5
Anonyma ...	8	....	....	....	19.5	30.5	....	41.1	....	51.3	1.5	14.5	22.5	30.5
Anonyma ...	8½	....	....	....	....	....	....	....	....	56.5	....	18.8	26.5	36.3
16 Pegasi ...	..	59.6	8.5	17.8	30.6	41.5	....	52.6	....	3.5	14.8	29.0	37.5	46.5
✱ (87) 1859 .	7½	15.3	24.2	32.4	44.8	55.5	....	6.0	....	16.6	26.8	39.7	48.4	56.5
W. Z. XXI 53	9	....	....	....	....	....	....	24.6	....	34.5	45.3	58.4	6.5	14.5
WZ.XXIII162	8½	53.5	1.4	10.3	22.6	33.5	....	43.7	....	54.5	4.5	17.5	25.8	34.5
θ Aquarii ...	..	49.4	57.8	5.7	17.8	28.3	....	38.0	....	48.3	58.8	10.5	19.0	27.4
W.Z.XXXII 4	8½	....	....	....	....	3.5	....	13.7	....	24.5	34.7	47.3	55.5	4.1
W.Z.XLII 50	8	....	7.3	16.2	28.5	38.8	....	49.2	....	0.3	10.5	23.2	31.5	39.4
W.Z.XXVI 39	9	46.5	54.4	....	15.5	26.4	....	....	....	47.3	58.2	10.5	19.3	27.7
ζ Pegasi	..	....	0.7	9.2	21.4	31.8	....	41.5	....	52.3	2.5	14.7	22.6	31.1
W.Z.XXVI 77	..	....	3.6	12.6	25.3	35.7	....	46.2	....	56.7	7.3	19.8	28.5	36.8

W — 12.3 O + 25.8 λ Urs. min., 61¹ Cygni } $n = -1^s.134$
W′ + 11.0 O′ + 3.0

$c = -0^s.474$
$m = +$ [illegible]

	$m + x$
α Cygni.....	$-0^m 7^s.49$
61¹ Cygni...	8.54
ζ Cygni	8.52
16 Pegasi...	9.51
θ Aquarii ..	10.40
ζ Pegasi....	11.54
um $21^h 33^m$	—0 9.34

Aus diesen Beobachtungen folgt wahrscheinlichster stündl. Gang: — $1^s.924$.

Mittel der Fäden	Corr. des Instr.	Mikroskop I	II	III	IV	Libelle S	N	Mittel der Lesungen	Corr. wegen Libelle
h m s	s							° ′ ″	″
0 26 29.19	— 0.25	51.2	56.0	0.7	52.0	23.3	17.9	30 55 55.7	+ 4.1
0 29 4.59	— 0.40	32.6	33.5	38.6	31.0	23.7	17.6	38 16 34.5	+ 4.5
0 33 55.93	— 0.58	58.7	59.8	5.8	57.2	23.6	17.6	47 2 1.1	+ 4.4
0 36 13.01	— 0.66	22.2	21.3	28.2	19.3	23.2	18.0	50 23 23.7	+ 4.0
1 12 14.45	— 66.44	....	....	....	....	....	....	....	......

S 10.0 N 29.7
S′ 12.0 N′ 27.4

NE = — 2.2

Uhrzeit.	Bar.	Therm. R. inn.	Therm. R. äuss.
21h 0m	27.″705	+15.°1	+13.°5
22 0	27.715	+14.7	+12.7
0 20	27.726	+14.2	+12.5

Polpunkt
131° 45′ 50.″6
50.0
50.0
50.5
49.1
131 45 50.0

Mittel der Fäden	Corr. des Instr.	Mikroskop I	II	III	IV	Libelle S	N	Mittel der Lesungen	Corr. wegen Libelle
20 36 49.25	— 1.80	....	....	....	....	....	....	....	......
20 5 34.51	— 83.25	....	....	....	....	....	....	....	......
20 56 47.64	— 0.67	....	....	....	....	....	....	321 8	......
21 0 47.68	— 1.49	49.2	44.7	52.2	41.4	26.3	15.0	349 49 48.0	+ 6.0
21 7 8.94	— 1.20	28.0	24.4	27.6	23.4	25.7	15.8	341 22 27.4	+ 5.2
21 11 50.47	— 0.85	....	....	....	....	....	....	329 20	......
21 16 32.65	— 0.86	17.8	18.8	23.9	16.0	25.9	15.7	329 14 20.6	+ 5.3
21 20 40.72	— 0.81	41.9	46.6	49.1	40.8	25.5	16.0	327 17 46.3	+ 5.0
21 27 46.17	— 0.57	....	....	....	....	....	....	316 32	......
21 46 52.88	— 1.06	18.7	16.5	22.4	16.3	25.8	15.8	337 2 19.9	+ 5.2
21 54 6.00	— 0.17	37.9	42.8	43.6	37.6	25.4	16.3	295 30 40.9	+ 4.8
21 58 24.32	— 0.83	28.4	30.9	33.9	25.7	25.8	16.0	328 34 30.7	+ 5.1
22 4 43.78	— 0.84	25.9	27.5	30.7	23.3	25.8	16.0	328 49 30.3	+ 5.1
22 9 38 25	— 0.30	21.7	28.4	30.0	22.7	25.9	16.0	303 18 26.0	+ 5.2
22 13 13.77	— 0.82	3.3	5.2	8.0	1.3	25.9	16.0	327 52 5.1	+ 5.2
22 17 49.41	— 0.81	43.8	46.0	50.1	42.1	25.5	16 3	327 19 46.6	+ 4.8
22 26 36.89	— 0.84	23.4	25.1	28.5	20.9	25.9	16.0	328 38 26.0	+ 5.2
22 34 41.85	— 0.68	37.0	38.5	42.7	34.8	25.3	16.6	321 52 39.9	+ 4.5
22 40 46.17	— 0.84	18.2	20.8	21.5	16.8	26.0	16.3	328 51 19.5	+ 5.1

S 26.3 N 16.4
S′ 26.0 N′ 16.8

NE = + 0 3

Uhrzeit.	Bar.	Therm. R. inn.	Therm. R. äuss.
20h 59m	27.″657	+14.°2	+12.°0
21 49	27.661	+13.8	+11.2
22 37	27.663	+13.7	+10.8

Polpunkt
41° 45′ ....
47.″5
48.7
48.6
47.0
47.5
41 45 47.86

1859	Grösse	1	2	3	I	II	4	III	5	IV	V	6	7	8
Octob. 8. ♄														
Beob. W.		s	s	s	s	s	s	s	s	s	s	s	s	s
δ Sculptoris .	..	....	5.6	14.8	28.5	40.0	....	51.5	....	....	14.7	28.5	37.5	46.8
W. Z. XXXVI 52	8½	....	....	....	51.6	2.5	....	12.6	....	22.5	33.5	45.6	54.5	....
W. Z. XXXIV 18	8	....	....	....	....	27.3	....	37.6	....	48.3	58.7	11.5	19.8	28.4
W.Z.XXX 160	8½	0.5	8.5	17.4	29.6	40.7	....	51.5	....	1.6	....	24.6	33.5	41.7
✱ (57) 1859 .	7½	3.5	11.5	19.3	32.2	42.3	....	52.5	....	2.5	12.5	24.8	33.3	40.4
γ Pegasi	..	....	....	....	55.7	6.0	....	16.4	....	27.2	37.3	49.5	57.8	6.5
✱ (46) 1858 .	8	19.5	28.0	35.8	48.3	57.8	....	8.5	....	18.5	28.5	40.6	48.4	56.6
✱ (49) 1858 .	8	....	....	....	....	....	....	....	....	....	....	....	....	....
12 Ceti	..	19.3	27.4	35.6	47.5	57.4	....	8.0	....	18.2	28.5	39.6	....	56.5
α Cassiop. ..	..	25.8	40.4	54.7	16.5	34.4	43.5	52.0	0.7	10.0	....	....	....	....
W. Z. XXXIII 114	8	....	....	....	6.8	17.4	....	27.5	....	38.5	49.3	1.7	10.4	18.5
WZ.XLVII 74	..	46.5	55.3	3.5	16.5	27.2	....	37.4	....	47.5	58.4	10.7	19.3	27.5
α Urs. min. ..	..	....	....	33.6	....	....	....	....	18.0	....	21.5	....	....	....
W. Z. XXXIV 189	8	14.7	23.3	31.8	44.5	55.3	....	5.5	....	16.1	26.6	39.4	47.8	56.3
Vesta	..	....	....	....	....	....	....	....	....	....	....	19.4	27.7	36.3
W. Z. XXXV 216	9	....	....	....	....	....	....	17.6	....	28.3	38.4	50.6	59.4	7.7
W. Z. XLI 86	6	6.6	14.4	23.0	35.7	46.3	....	56.5	....	....	17.5	29.8	38.5	46.6
WZ.XLVIII 28	8	....	....	....	....	....	....	....	....	6.7	17.5	30.4	38.8	....
W.Z.XLIII 29	8	....	....	....	....	....	....	....	....	15.5	27.5	38.7	47.3	55.3
WZ.XLVIII 52	8	38.8	47.2	55.4	8.4	19.3	24.5	29.3	....	40.7	50.6	3.7	12.4	20.6
W.Z. XLIII 70	8	7.4	15.8	24.5	36.8	47.2	....	58.0	....	8.5	18.5	31.2	39.8	48.2
✱ (22) 1856 .	9	....	22.5	30.5	42.6	53.2	....	2.7	....	12.5	22.6	35.3	43.5	51.3
β Arietis	..	18.5	26.8	35.6	48.0	59.2	....	10.0	....	20.5	31.1	44.2	52.6	0.8
Hebe	..	6.8	15.5	....	36.4	46.7	....	56.8	....	7.2	18.3	30.7	39.3	47.4
α Arietis ...	..	....	48.7	57.8	10.7	21.4	....	32.4	....	43.5	54.5	7.4	16.5	24.7

W — 10.0   O + 25.6   α Urs. min. / 12 Ceti } $n = -1^s.313$

W' + 13.0   O' + 2.4

$c = -0^s.474$

$m = +0.894$

	$m + \alpha$
δ Sculp.	$-0^m 12^s.49$
γ Pegasi .. .	12.78
12 Ceti	12.55
α Cassiop. ..	12.69
β Arietis ...	12.94
α Arietis ...	13.07
um $0^h 45^m$	-0 12.75

Aus diesen Beobachtungen folgt wahrscheinlichster stündl. Gang: — $0^s.216$.

Octob. 28. ♀														
Beob. H. M.														
L. 42485 ...	..	....	....	....	19.7	30.0	....	....	....	50.0	0.2	....	....	....
16 Pegasi ...	..	....	44.0	52.6	6.0	16.8	....	27.7	....	39.1	50.1	3.2	12.4	21.5
L. 42766 ...	..	....	....	....	....	5.0	....	16.5	....	28.0	39.8	....	....	....
L. 42919 ...	..	....	....	....	40.1	50.5	....	1.0	....	11.4	21.8	....	....	....
L. 43033 ...	..	....	....	....	....	....	....	....	40.0	48.1	4.4	24.0	37.2	....

Mittel der Fäden	Corr. des Instr.	Mikroskop I	II	III	IV	Libelle S	N	Mittel der Lesungen	Corr. wegen Libelle
h m s	s							° ′ ″	″
23 41 51.54	+ 0.19	30.0	34.8	39.1	28.5	25.8	18.6	282 55 34.1	+ 2.0
23 47 12.49	− 0.84	48.5	53.3	58.6	50.4	25.5	18.7	326 53 53.6	+ 1.8
23 50 37.66	− 0.91	41.4	42.3	48.0	38.2	26.5	17.9	329 14 44.2	+ 2.8
23 54 51.06	− 0.93	57.6	58.0	2.3	54.5	25.0	18.2	329 44 59.0	+ 1.8
0 1 52.24	− 0.65	9.2	9.6	14.2	5.5	25.2	18.8	319 1 10.4	+ 1.6
0 6 16.44	− 0.83	48.8	51.9	56.1	48.3	25.3	18.0	326 10 52.4	+ 2.1
0 14 8.21	− 0.40	51.8	53.3	57.2	47.6	25.3	19.2	308 5 53.4	+ 1.4
0 17 5...	....	0.3	2.5	8.1	58.9	25.2	19.2	307 32 3.7	+ 1.4
0 22 7.83	− 0.37	16.9	19.4	23.0	15.2	25.5	18.3	307 3 18.8	+ 2.0
0 32 52.02	− 2.77	58.2	50.5	55.4	49.7	23.8	21.1	7 31 54.7	− 0.4
0 36 27.97	− 0.88	52.3	54.0	55.0	48.9	24.5	20.5	328 21 53.1	+ 0.3
0 41 37.26	− 0.93	50.2	51.0	54.3	46.6	24.9	20.3	329 41 52.3	+ 0.6
1 9 57.99	− 71.29	....	....	....	....	....	....	....	......
0 53 5.56	− 0.91	14.6	15.9	18.2	11.8	24.9	20.5	329 13 15.9	+ 0.5
0 57 47.23	− 0.32	31.4	34.6	36.6	29.1	25.0	20.7	304 58 33.9	+ 0.4
1 1 17.34	− 0.90	50.3	52.1	54.9	46.9	25.2	20.3	328 40 52.2	+ 0.8
1 6 56.52	− 0.85	....	....	....	....	....	....	327 7.7 ...	......
1 14 56.33	− 0.93	20.8	22.0	25.1	18.8	25.8	19.9	329 43 20.0	+ 1.3
1 18 5.24	− 0.86	4.5	6.7	8.3	3.2	25.7	20.1	327 18 5.7	+ 1.1
1 27 29.66	− 0.92	8.0	8.9	10.4	3.9	25.2	20.5	329 31 8.5	+ 0.6
1 31 57.79	− 0.87	17.3	19.5	23.2	14.8	25.1	20.8	327 41 20.2	+ 0.4
1 41 2.81	− 0.43	39.5	40.2	45.0	37.8	25.1	20.8	310 7 41.7	+ 0.4
1 47 9.74	− 0.98	43.1	43.1	47.4	41.2	25.2	20.5	331 53 45.4	+ 0.6
1 53 57.15	− 0.13	22.6	28.0	30.0	23.2	25.1	20.4	296 3 26.2	+ 0.6
1 59 32.49	− 1.06	15.6	17.5	18.8	14.7	25.3	20.0	334 34 17.5	+ 1.0

S 25.4 N 19.4
S′ 22.0 N′ 23.0

NE = + 3.5

Uhrzeit.	Bar.	Therm. R. inn.	Therm. R. äuss.
23h 40m	27.″628	+ 12.°0	+ 10.°4
0 19	27.632	+ 11.6	+ 9.6
1 17	27.627	+ 10.8	+ 8.5
2 2	27.630	+ 11.0	+ 8.1

Polpunkt
41° 45′ 47.″3
49.8
50.7
46.1
47.2
47.9
41 45 48.17

21 40 39.92	− 0.67	54.3	56.2	57.8	53.3	24.1	25.4	46 19 56.1	+ 0.9
21 46 27.97	− 1.67	28.9	27.0	32.0	24.9	23.8	25.7	67 2 29.3	+ 0.6
21 49 16.54	− 1.88	16.6	11.8	18.4	9.9	24.7	25.1	70 32 15.0	+ 1.4
21 54 0.91	+ 0 21	31.7	34.3	37.1	27.7	24.6	25.1	25 43 33.3	+ 1.4
21 56 31.56	− 3.93	32.7	27.0	32.2	23.7	24.3	25.3	93 58 29.5	+ 1.1

1859	Grösse	1	2	3	I	II	4	III	5	IV	V	6	7	8
Octob. 28. ♀														
(Fortsetzung)		s	s	s	s	s	s	s	s	s	s	s	s	s
L. 43133 ...	..	....	....	....	....	25.0	33.1	40.8	48.1	56.8	....	....	....	....
L. 43283 ...	..	....	....	....	1.6	11.8	....	21.9	....	31.5	42.0	....	....	....
L. 43536 ...	..	....	....	....	3.2	42.2	2.0	21.0	40.3	....	....	....	....	....
L. 43623 ...	..	....	....	....	51.6	2.3	....	12.8	....	23.4	33.9	....	....	....
L. 43819 ...	..	....	....	....	....	44.6	....	59.0	....	12.8	26.9	....	....	....
L. 43898 ...	..	....	....	....	44.5	54.6	....	4.6	....	14.9	25.3	....	....	....
L. 44007 ...	..	....	....	....	....	23.8	....	34.0	....	44.0	....	....	....	....
η Aquarii ..	..	6.8	14.8	23.1	35.3	45.1	....	55.2	....	5.0	15.2	27.4	35.5	43.8
L. 44222 ...	..	....	....	....	....	....	....	....	....	1.5	12.0	24.6	33.0	....
L. 44753 ...	..	....	....	....	....	....	....	16.2	....	29.7	43.0	59.0	....	....
α Pisc. Austr.	..	43.0	52.6	1.9	15.8	27.3	....	38.5	....	50.5	2.2	16.2	25.4	35.2
L. 45301 ...	..	58.5	6.9	15.3	27.4	37.4	....	47.3	....	....	....	....	....	....
L. 45500 ...	..	....	....	....	....	11.3	18.5	25.6	33.0	40.2	....	....	....	....
γ Piscium...	..	....	....	....	....	....	....	40.0	....	50.2	0.0	12.0	20.2	28.4
L. 45713 ...	..	....	....	....	7.1	17.2	....	27.2	....	37.5	47.6	....	....	....
L. 45837 ...	..	....	....	....	8.8	18.9	....	29.2	....	39.1	49.4	....	....	....
L. 45920 ...	..	....	....	....	....	50.0	....	0.9	....	11.3	....	....	....	....
L. 45999...	..	....	....	....	....	....	....	33.4	....	43.5	53.7	....	....	....
L. 46115....	..	....	....	....	....	....	....	....	....	....	42.0	57.0	7.2	....
L. 46246....	..	....	....	....	....	46.4	....	56.4	....	6.4	....	....	....	....
ι Piscium ...	..	....	....	58.8	10.8	20.9	....	30.6	....	41.0	51.2	3.4	11.4	19.8
L. 46475 ...	..	....	....	....	24.0	34.1	....	44.3	....	54.5	4.8	....	....	....
L. 46564 ...	..	....	....	....	....	26.0	....	38.0	....	49.9	....	....	....	....
L. 46661 ...	..	....	....	....	27.8	37.8	....	48.0	....	58.2	8.5	....	....	....
L. 46740 ...	..	....	....	....	....	14.9	....	24.7	....	35.1	....	....	....	....
L. 46906 ...	..	....	....	....	15.3	26.1	....	36.7	....	47.7	58.2	....	....	....
L. 47008 ...	..	....	....	....	22.1	32.1	....	42.4	....	52.4	2.5	....	....	....
L. 47095 ...	..	....	....	....	....	43.0	....	55.0	....	6.3	....	....	....	....
L. 47178 ...	..	....	....	....	....	....	....	....	....	....	37.1	49.1	57.3	5.2
L 47301 ...	..	....	....	....	0.9	11.0	....	21.0	....	31.2	41.2	....	....	....
L. 47386 ...	..	....	....	....	....	....	....	48.0	55.9	4.5	20.7	....	....	....
L. 102	..	....	....	....	....	....	....	38.4	....	49.0	59.8	....	....	....
L. 195	..	....	....	....	....	....	....	....	....	4.9	15.0	27.6	36.1	....
L. 304	..	....	....	....	54.0	3.9	....	14.1	....	24.5	35.0	....	....	....
L. 392	..	....	....	....	....	....	....	50.8	....	2.0	13.4	....	....	....
L. 448	..	....	....	....	....	....	....	....	....	22.0	32.4	45.6	....	....
L. 573	..	....	....	....	22.5	35.9	....	48.6	....	1.5	....	....	....	....
12 Ceti	..	50.6	58.5	7.0	19.1	29.0	....	39.1	....	49.3	59.5	11.3	19.8	28.1
L. 812	..	....	....	....	58.0	8.1	....	18.3	....	28.4	38.6	....	....	....
L. 968	..	....	....	....	14.9	25.0	....	35.0	....	45.1	55.3	....	....	....

Mittel der Fäden	Corr. des Instr.	Mikroskop				Libelle		Mittel der Lesungen	Corr. wegen Libelle
		I	II	III	IV	S	N		
h m s	s							° ′ ″	″
21 59 40.70	— 3.78	23.2	17.5	24.1	16.3	24.2	25.3	92 47 21.1	+ 1.0
22 4 21.71	— 0.71	52.7	51.5	0.9	49.5	24.1	25.2	47 16 54.4	+ 0.9
22 9 20.90	— 10.93	14.7	5.9	0.8	0.1	23.6	26.2	116 43 5.8	+ 0.2
22 14 12.75	— 1.26	35.1	35.9	40.0	31.9	24.0	25.9	59 2 36.7	+ 0.6
22 18 58.80	— 3.00	53.8	49.3	57.7	46.9	24.1	25.8	85 35 53.0	+ 0.7
22 22 4.83	+ 0.05	42.0	45.8	46.2	39.5	24.1	25.9	29 21 43.7	+ 0.6
22 24 33.90	— 0.91	25.2	25.8	31.3	23.7	24.9	25.1	51 49 27.0	+ 1.5
22 27 55.14	— 0.43	41.2	39.4	47.1	37.6	24.3	25.7	40 56 42.6	+ 0.9
22 30 51.19	+ 0.15	0.7	2.8	8.4	58.4	24.0	26.1	27 0 3.0	+ 0.5
22 45 16.41	— 2.72	26.8	21.8	31.2	20.8	24.7	25.8	82 20 26.1	+ 1.0
22 49 38.94	+ 0.88	....	....	....	....	....	....	....	.....
23 2 47.46	— 0.76	53.5	53.8	59.2	51.0	31.9	18.8	48 22 55.1	+ 8.7
23 7 25.67	— 3.15	43.3	37.7	45.4	36.8	32.0	18.8	87 7 41.4	+ 8.8
23 9 39.92	— 0.58	51.6	50.6	55.5	46.8	32.2	18.2	44 17 52.4	+ 9.2
23 13 27.27	— 0.55	11.7	11.2	17.9	8.9	31.8	18.9	43 28 12.8	+ 8.6
23 17 29.03	— 0.78	21.2	22.2	27.4	18.2	32.1	18.5	48 53 23.2	+ 9.0
23 20 0.70	— 1.32	2.5	2.6	4.8	59.7	32.2	18.3	60 13 2.8	+ 9.1
23 22 33.25	— 0.95	55.5	6.3	2.3	53.3	32.6	18.1	52 41 0.1	+ 9.4
23 25 17.57	— 2.31	12.8	10.5	15.7	6.7	32.6	18.2	77 0 11.5	+ 9.4
23 28 56.37	— 0.29	1.3	3.8	9.4	0.3	32.1	18.6	37 34 4.1	+ 8.9
23 32 30.96	— 0.69	42.9	42.9	49.8	40.5	32.0	18.7	46 38 45.3	+ 8.8
23 35 44.29	— 0 96	0.2	0.8	7.2	58.1	32.5	18.1	52 50 2.3	+ 9.4
23 38 37.93	— 1.95	23.7	21.2	27.7	18.4	32.4	18.4	71 38 23.7	+ 9.2
23 41 48.01	+ 0.12	36.8	40.4	42.8	35.2	32.5	18.2	27 42 39.0	+ 9.3
23 44 24.87	— 0.16	37.8	39.4	42.2	34.5	32.0	18.8	34 23 39.5	+ 8.8
23 48 36.75	— 1.41	33.1	32.7	34.6	29.2	32.2	18.5	62 9 32 6	+ 9.0
23 51 42.25	— 0.08	14.3	18.4	22.2	12.4	32.1	18.8	32 31 17.3	+ 8.8
23 53 54.73	— 2.11	50.0	46.0	53.5	43.8	31.8	19.1	74 8 49.3	+ 8.4
23 56 16.89	— 0.37	48.4	47.8	54.2	44.2	31.8	19.2	39 26 49.7	+ 8.3
0 0 21.03	— 0.38	15.7	14.1	20.4	12.8	31.8	19.1	39 39 15.9	+ 8.4
0 2 48.11	— 3.83	28.2	22.2	27.9	20.1	31.3	19.5	93 14 25.5	+ 7.9
0 5 38.37	— 1.36	5.8	5.2	11.1	3.7	31.7	19.4	61 11 7.3	+ 8.1
0 7 53.95	+ 0.27	46.8	52.4	52.8	44.8	31.6	19.1	24 15 49.5	+ 8.3
0 11 14.25	— 1.00	32.6	34.2	40.0	30.5	31.5	19.5	53 41 35.3	+ 8.0
0 13 50.74	— 1.78	42.2	39.6	44.1	36.9	31.6	19.2	68 43 41.3	+ 8.2
0 16 10.95	— 1.47	16.1	15.4	20.2	13.5	32.0	19.0	63 17 17.1	+ 8.6
0 19 48.42	— 2.49	19.2	14.3	22.2	10.5	31.5	19.5	79 29 17.4	+ 8.0
0 22 39.19	— 0.28	9.5	12.3	16.2	7.7	31.5	19.1	37 3 11.5	+ 8.2
0 26 18.23	— 0.77	37.5	35.8	43.8	35.6	31.3	19.3	48 41 39.2	+ 8.0
0 30 35.01	— 0.19	58.4	59.5	4.4	54.9	32.0	18.8	35 0 59.7	+ 8.8

1859	Grösse	1	2	3	I	II	4	III	5	IV	V	6	7	8
Octob. 28. ♀														
(Fortsetzung)		s	s	s	s	s	s	s	s	s	s	s	s	s
L. 1106	..				6.6	16.5		26.8		36.5	47.1			
L. 1200	..					34.1		44.1		54.1	4.3			
L. 1326	..				7.9	18.2		28.6		39.7	50.1			
L. 1422	..							1.4		11.3	22.1	34.8		
L. 1552	..				34.1	46.2		59.0		12.0	24.2			
L. 1678	..				8.1	18.4		29.0		38.9	49.0			
L. 1928	..					45.0		55.3	6.0					
α Urs. min.	..					35.0	0.0	13.0	35.0	58.5				

W + 7 2 0 + 13.8 α Urs. min.
W′ − 15 0 O′ + 36.0 η Aquarii } $n = -2^s.445$

$c = -0^s.474$
$m = +1.411$

	m + n
16 Pegasi...	$+0^m 15^s.70$
η Aquarii ...	15.74
α Pisc. Austr.	16.03
γ Piscium...	15.74
ι Piscium ...	16.01
12 Ceti	.....
um $23^h 2^m$ +	0 15.82

1859	Grösse	1	2	3	I	II	4	III	5	IV	V	6	7	8
Nov. 3. ♃														
Beob. H., M.														
Cygnus	..					3.5	12.0	20.0	28.0	36.0				
L. 42049	..				38.8	49.0		58.9		9.0	19.0			
L. 42324	..				10.1	22.8		34.0		47.4	0.1			
L. 42427	..					11.0		21.3		31.3				
Cygnus	..			27.2	39.5	49.5		59.5						
16 Pegasi	..		1.4	10.3	23.8	35.0		45.9		57.1	8.2	21.2	30.4	
L. 42848 ?	..										24.0	41.1	53.1	
L. 42939 ?	..							25.0		36.6	47.2	1.0		
L. 43032	..				18.6	28.5		38.5		48.5	59.0			
L. 43145	..									19.2	29.5	42.4		
L. 43295	..							13.0		24.0	35.2	48.5		
L. 43766	..		47.5	55.2	7.2	17.7		27.6		38.0				
L. 43898	..				1.8	12.0		22.1		32.4	42.9			
L. 44037	..					26.6		36.9		46.8		8.4		
L. 44177	..					7.0	14.0	20.6	27.6	35.1				
ζ Pegasi	..	43.4	51.8	0.0	12.2	22.4		32.4		43.0	53.1	5.1	13.4	21.6
L. 44606	..				49.0	5.4	13.1	21.0	29.2	37.3	53.0			
L. 44708	..			57.0	9.3	19.9		30.2		40.5	51.0			
L. 44929	$9\frac{1}{2}$			35.5	19.0	55.2	13.0	30.6	48.5	6.5				
L. 45116	..				48.0	23.5	43.0	0.0						

Mittel der Fäden	Corr. des Instr.	Mikroskop I	II	III	IV	Libelle S	N	Mittel der Lesungen	Corr. wegen Libelle
h m s	s							° ′ ″	″
0 34 26.65	− 0.84	25.6	25.2	32.8	22.5	31.5	19.4	50 11 27.6	+ 8.0
0 37 44.08	− 0.45	9.2	8.8	15.6	5.6	32.0	18.8	41 16 10.3	+ 8.8
0 41 28.85	+ 0.35	41.8	45.3	49.2	38.6	31.8	19.1	22 29 45.0	+ 8.4
0 44 1.31	+ 0.11	52.5	56.1	59.3	50.0	31.5	19.2	27 54 54.9	+ 8.1
0 47 59.04	− 2.42	43.8	41.2	47.4	36.6	31.4	19.6	78 36 42.6	+ 7.9
0 51 28.63	− 0.78	27.5	23.7	30.8	21.9	31.7	19.1	48 44 27.1	+ 8.3
0 58 55.40	− 1.17	12.0	14.1	19.5	10.2	31.4	19.5	57 23 15.0	+ 7.9
1 10 14.88	−116.61	....	....	....	....	....	....	....	......

S 24.5 N 25.0
S′ 27.4 N′ 22.0

NE = − 3.0

Uhrzeit.	Bar.	Therm. R. inn.	Therm. R. äuss.	Polpunkt
				131° 45′ 50.″8
21h 55m	27.″600	+6.°9	+5.°4	48.9
22 30	27.575	+6.5	+4.9	....
23 15	....	.....	+4.7	51.1
23 45	27.556	+6.3	+4.4	48.0
0 25	......	.....	+4.3	48.9
1 0	......	.....	+4.2	131 45 49.6

Mittel der Fäden	Corr. des Instr.	Mikroskop I	II	III	IV	Libelle S	N	Mittel der Lesungen	Corr. wegen Libelle
21 25 19.88	− 4.26	4.5	59.6	57.2	56.6	34.2	13.7	94 5 0.5	+15.0
21 28 58.89	− 0.70	44.0	44.3	48.8	43.2	34.0	14.1	46 37 45.9	+14.7
21 35 34.82	− 2.54	2.2	56.8	2.2	55.6	34.0	14.3	77 48 0.5	+14.6
21 39 21.16	+ 0.31	57.8	0.5	2.4	54.0	34.0	14.3	25 1 59.7	+14.6
21 42 59.48	− 0.53	55.0	54.5	0.1	52.1	33.4	15.1	42 53 56.9	+13.8
21 46 45.89	− 1.79	18.8	15.2	21.0	13.6	33.9	14.8	67 2 18.3	+14.2
21 49 54.26	− 3.55	19.2	13.8	16.2	11.2	32.9	16.0	88 33 15.2	+13.1
21 53 25.45	− 1.67	38.0	35.1	38.8	33.1	33.1	15.7	65 2 37.5	+13.3
21 57 38.57	− 0.40	51.2	51.3	57.3	49.4	33.8	15.3	40 11 53.7	+13.9
22 1 8.77	+ 0.24	48.2	51.8	53.5	44.7	32.9	16.2	26 27 50.0	+13.0
22 5 12.62	+ 0.85	4.1	7.8	10.3	59.1	33.7	15.5	14 38 6.3	+13.8
22 18 27.64	− 0.66	53.3	55.8	58.8	50.8	33.8	15.4	45 48 54.9	+13.9
22 22 22.19	+ 0.11	32.6	35.9	35.5	29.1	33.4	15.8	29 21 33.5	+13.4
22 25 36.55	− 0.79	30.0	30.3	35.7	28.1	33.9	15.2	48 28 31.7	+14.0
22 29 20.81	− 3.30	47.8	41.7	49.4	40.1	33.8	15.3	86 11 46.1	+13.9
22 34 32.57	− 0.96	36.7	37.2	41.1	33.5	33.6	15.6	51 52 37.9	+13.7
22 40 21.07	− 4.12	1.6	54.6	58.2	52.8	33.2	16.1	93 7 57.7	+13.2
22 44 30.12	− 1.12	38.8	39.9	43.4	37.1	34.0	15.4	54 59 41.0	+14.0
22 50 30.69	− 10.95	30.5	22.1	22.3	15.7	33.6	16.0	115 33 22.9	+13.4
22 56 0.11	− 11.01	17.3	8.9	10.8	3.6	33.8	16.0	115 38 11.2	+13.5

1859	Grösse	1	2	3	I	II	4	III	5	IV	V	6	7	8
Nov. 3. ♃ (Fortsetzung)		s	s	s	s	s	s	s	s	s	s	s	s	s
L. 45191 ...	9¾	....	....	....	....	17.4	....	27.6	....	37.3	47.5	....	....	....
L. 45391 ...	9½	....	9.5	18.1	30.2	40 4	....	50.2	....	....	....	....	....	....
L. 45517 ...	9¼	....	....	....	....	....	3.3	10.1	16.2	23.0	36.0	....	....	....
L. 45650 ...	5	....	....	....	24.7	38.0	....	51.1	....	4.8	18.1	....	....	....
L. 45757 ...	9¼	....	....	....	....	....	....	16.9	....	27.2	37.2	50.0	58.0	....
κ Piscium ...	..	0.6	8.8	17.0	28.6	39.1	....	49.2	....	59.1	9.2	21.0	....	37.3

W — 19.6 O + 39.4 α Urs. min.
W′ + 1.1 O′ + 19.8 κ Piscium } $n = - 2^s.689$

$c = - 0^s.474$
$m = + 1.221$

	$m + x$
16 Pegasi ...	$-0^m 2^s.20$
ζ Pegasi	2.25
κ Piscium ...	2.24
um $22^h 34^m$	-0 2.23

Nov. 3. ♃ Beob. W.	Grösse	1	2	3	I	II	4	III	5	IV	V	6	7	8
Anonyma* ..	9½	....	....	....	....	44.7	....	55.7	....	6.5	17.4	28.8	....	....
γ Pegasi	..	....	....	....	45.7	56.0	....	6.3	....	16.4	27.2	39.7	47.4	56.0
✱ (25) 1858 .	8	9.5	17.4	25.3	37.5	47.6	....	57.5	....	7.6	17.7	29.6	37.6	46.5
W. Z. XXXIX 232	8	....	13.9	22.6	....	45.8	....	55.8	....	6.5	17.3	....	....	....
12 Ceti	..	....	....	....	....	....	....	....	....	....	17.4	29.5	37.5	45.5
W. Z. XXXVI 119	8	....	....	....	....	....	....	....	....	....	4.0	16.5	24.8	33.2
α Urs. min. ..	..	22.0	....	17.0	....	0.0	....	42.0	....	....	....	13.0	34.0	56.5
W. Z. XXXIII 148	8	10.7	19.5	27.5	....	51.2	....	1.4	....	....	22.4	....	....	....
ε Piscium ...	..	....	....	....	....	....	....	....	....	54.7	5.3	16.8	25.3	33.5
W. Z. XLI 86	8	55.8	4.0	12.9	25.4	35.5	....	45.7	....	56.6	7.4	19.7	27.9	36.5
W Z. XLVIII 28	8	54.6	3.5	12.5	25.4	35.3	....	46.0	....	56.7	7.7	19.6	28.8	37.5
β Arietis ...	..	8.0	16.8	25.5	38.3	48.7	....	59.3	....	....	21.2	33.5	42.6	51.3
W. Z. XLVI 46	8½	....	....	....	....	....	....	8.2	....	18.0	28.5	41.4	49.8	58.3
✱ (22) 1854/5*	9½	....	....	....	....	....	....	....	....	1.0	12.4	23.2	....	....
α Arietis ...	..	....	....	....	....	....	....	22.6	....	33.4	44.5	57.4	6.3	14.7
✱ (22) 1855 .	9	....	....	....	3.7	14.2	....	23.9	....	34.6	44.5	....	5.3	13.3
67 Ceti	..	15.3	23.4	31.6	43.7	54.1	....	3.5	....	13.6	23.5	36.4	44.5	52.6
W Z. XLVI 102	9	....	....	....	38.4	....	....	59.5	....	9.3	19.7	32.5	41.5	48.8
Proserpina* .	..	....	....	....	....	....	....	....	....	....	27.6	39.5	....	....

W — 19.6 O + 39.4 α Urs. min.
W′ + 1.1 O′ + 19.8 12 Ceti } $n = - 2.696$

$F - F^* = + 0^r.890$
$= + 2^s.745$

$c = - 0^s.474$
$m = + 1.230$

	$m + x$
γ Pegasi	$-0^m 2^s.27$
12 Ceti	1.96
ε Piscium ...	1.89
β Arietis . .	2.04
α Arietis ...	2.22
67 Ceti	2.18
um $1^h 4^m$	-0 2.09

Vom 3. bis 12. November tägl. Gang: + 0ˢ.18.

Mittel der Fäden	Corr. des Instr.	Mikroskop				Libelle		Mittel der Lesungen	Corr. wegen Libelle
		I	II	III	IV	S	N		
h m s	s							° ′ ″	″
22 59 27.38	— 0.43	47.0	46.6	52.0	43.2	33.4	16.1	40 49 48.1	+13.3
23 4 50.41	— 0.86	5.4	6.0	11.5	2.8	33.5	16.1	49 49 6.9	+13.3
23 8 9.74	— 2.92	10.1	4.8	11.6	1.2	33.6	16.0	82 16 7.4	+13.4
23 11 51.27	— 2.97	36.9	32.7	39.4	29.0	34.0	15.7	82 46 35.3	+13.8
23 15 16.71	+ 0.16	34.3	35.7	40.0	32.3	34.0	15.8	28 13 36.4	+13.8
23 19 49.00	— 0.50	....	....	....	....	....	....	....	......

S 30.8   N 17.0
S′ 38.0   N′ 10.1

NE = — 7.1

Uhrzeit.	Bar.	Therm. R. inn.	Therm. R. äuss.
21h 30m	27.″625	+8.°8	+6.°4
22 40	27.618	+8.0	+5.7
23 20	......	.....	+5.6

Polpunkt
131° 45′ 53.″3
53.8
....
131 45 53.6

0 0 55.59	+ 1.94	39.9	38.8	45.4	35.3	23.4	25.8	319 4 40.9	+ 8.2
0 6 6.23	— 1.18	52.9	56.0	0.4	52.2	23.5	26.0	326 10 56.6	+ 8.1
0 13 57.60	— 0.31	54.6	54.0	0.0	50.0	23.5	25.9	308 5 55.6	+ 8.2
0 20 56.04	— 1.25	13.5	6.8	10.8	2.7	23.8	25.8	327 43 9.2	+ 8.5
0 22 57.12	— 0.26	18.0	20.4	24.1	15.8	23.8	25.8	307 3 19.8	+ 8.5
0 25 43.06	— 1.23	10.7	12.0	15.1	7.9	23.0	26.2	327 10 12.2	+ 7.8
0 10 41.53	—126.67	....	....	....	....	....	....	....	......
0 53 1.36	— 1.29	53.2	54.4	59.8	50.0	23.6	25.9	328 14 55.3	+ 8.3
0 55 44.66	— 0.82	58.6	57.8	3.4	55.4	22.9	26.5	318 54 59.4	+ 7.6
1 6 46.11	— 1.23	4.2	6.1	9.1	2.2	23.5	26.0	327 10 6.1	+ 8.1
1 14 46.13	— 1.36	30.1	30.2	34.0	26.0	23.4	26.0	329 43 31.0	+ 8.1
1 46 59.58	— 1.49	52.1	53.6	55.7	48.6	23.5	26.3	331 53 54.3	+ 8.0
1 51 7.92	— 1.22	25.0	26.6	30.7	22.8	23.2	26.7	327 1 27.2	+ 7.6
1 55 49.88	+ 1.79	56.8	57.3	5.0	54.9	23.2	27.0	322 43 59.8	+ 7.5
1 59 22.49	— 1.64	23.1	23.3	26.0	20.8	23.4	26.7	334 34 24.2	+ 7.7
2 5 24.13	— 1.01	49.4	50.3	56.7	46.8	23.9	26.2	322 55 52.0	+ 8.3
2 10 3.88	— 0.15	13.5	15.7	20.0	10.0	23.1	27.0	304 43 15.6	+ 7.4
2 16 59.13	— 1.21	....	....	....	....	....	....	326 49.6 ...	......
2 41 5.16	+ 1.61	52.7	53.4	58.0	49.5	23.2	27.0	327 1 54.6	+ 7.5

S 21.5   N 28.7
S′ 39.4   N′ 11.0

NE = — 17.8

L — L* = + 1.″893
= + 87.″65

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
0h 0m	27.″510	+7.°8	+5.°4
0 28	......	+7.5	+4.9
2 2	27.485	+6.7	+3.7
2 23	27.486	+6.8	+3.4

Polpunkt
41° 45′ 57.″8
58.3
59.0
60.7
58.2
58.6
41 45 58.77

1859	Grösse	1	2	3	I	II	4	III	5	IV	V	6	7	8
Nov. 12. ♄														
Beob. W.		s	s	s	s	s	s	s	s	s	s	s	s	s
Anonyma * . .	10	....	....	....	44.7	56.5	....	8.4	....	20.6	31.5	43.4	....	....
η Aquarii . . .	..	....	....	....	....	0.5	....	9.8	....	20.6	29.8	42.6	49.7	58.4
W. Z. XXXVII 13*	10	....	....	....	....	16.6	....	28.3	....	39.4	50.6	2.0	....	....
W. Z. XXXVIII 7*	10	....	....	....	....	....	....	....	....	0.7	12.6	23.8	....	....
W. Z. XL 4 . .	9½	....	....	....	....	25.5	....	37.2	....	47.2	59.2	11.1	....	....
W. Z. XXXI 9	7	19.8	28.5	37.4	49.5	0.4	....	10.7	....	21.3	31.4	44.1	52.5	0.8
W. Z. XXXI 11	7	....	....	....	22.6	32.5	....	43.5	....	53.8	4.0	16.8	25.3	33.4
W. Z. XXXVII 68	7	50.0	58.5	7.5	19.7	30.5	....	40.3	....	51.3	1.4	....	....	....
α Pegasi	..	....	....	....	....	....	....	....	....	....	9.5	22.6	30.4	38.8
✱ ☄ 1858 VIII	8	....	....	....	....	....	....	....	....	22.5	33.7	47.5	56.6	5.7
γ Piscium . . .	..	....	....	....	....	....	....	55.4	....	5.3	15.7	27.6	35.5	43.8
W. Z. XXXI 73	7½	....	....	25.5	37.7	48.5	....	58.5	....	9.2	19.5	32.5	40.3	48.8
ϰ Piscium . . .	..	....	....	....	....	....	....	....	....	56.5	6.5	18.3	26.4	34.7
W. Z. XXXI 139	8	....	....	54.7	6.7	17.5	....	27.6	....	38.3	48.7	....	....	....
W. Z. XXX 143	8	50.6	58.5	7.5	20.6	31.3	....	41.5	....	52.5	2.6	15.3	23.5	32.1
ω Piscium . . .	..	....	....	....	48.3	58.4	....	8.6	....	18.4	29.3	41.2	49.3	57.7
α Androm. . .	..	17.3	26.2	35.5	49.3	0.7	....	12.4	....	23.5	34.9	48.5	57.5	7.0
γ Pegasi	..	14.0	....	30.6	43.0	53.5	....	3.3	....	....	24.5	36.8	45.3	53.5
α Urs. min. . .	..	....	....	....	....	....	....	....	....	....	....	32.0	59.5	22.0

W − 15.0   O + 42.0   α Urs. min. }
W′ + 6.2   O′ + 21.0   ϰ Piscium } $n = -3^s.353$

$c = -0^s.474$
$m = +2.092$

$F - F^* = +0^r.868$
$= +2^s.677$

	m + n
η Aquarii . . .	$+0^m 0^s.49$
α Pegasi	0.37
γ Piscium . . .	0.52
ϰ Piscium . . .	0.43
ω Piscium . .	0.55
α Androm. . .	0.60
γ Pegasi	0.39
um $23^h 25^m$	+0 0.48

Vom 12. bis 13. November tägl. Gang: $+0^s.44$.

1859	Grösse	1	2	3	I	II	4	III	5	IV	V	6	7	8
Nov. 13. ☉														
Beob. W.														
η Aquarii . . .	..	....	....	....	....	....	....	....	....	....	....	42.0	50.1	57.7
W. Z. XXXVII 41	8	....	46.5	54.7	7.5	17.7	....	28.1	....	38.3	49.1	1.6	9.6	18.4
α Piscium. . .	..	....	....	....	....	....	....	....	....	....	16.3	30.7	39.5	49.3
W. Z. XXXVII 68	7	49.3	58.4	6.3	19.2	29.4	....	39.5	....	50.3	1.0	13.5	21.7	30.4
W Z XXXVIII 61	..	....	....	....	....	52.5	....	2.5	....	13.1	23.5	36.2	44.4	53.2
W Z. XXXIX 9*	9¾	....	....	....	....	59.3	....	11.3	....	22.6	33.6	45.2	....	....
W. Z. XXXVIII 92*	9¾	....	....	42.5	54.0	5.2	....	17.3	....	28.2	39.7	51.3	....	....
W. Z. XXX 59	8	58.8	7.7	15.9	28.5	39.4	....	49.5	....	0.5	11.4	23.5	32.3	40.4
✱ ☄ 1847 I *	10	....	....	20.8	40.3	59.3	....	18.8	....	38.3	58.0	17.2	....	....
W. Z. XXXVIII 122	7½	....	....	27.5	....	50.8	....	1.3	....	11.5	22.1	34.5	42.7	51.4

Mittel der Fäden	Corr. des Instr.	Mikroskop				Libelle		Mittel der Lesungen	Corr. wegen Libelle
		I	II	III	IV	S	N		
h m s	s							° ′ ″	″
22 21 8.43	+ 1.22	25.4	30.0	29.0	21.3	28.2	26.5	329 54 26.7	— 2.1
22 28 10.15	— 0.42	43.2	41.7	51.6	37.8	29.0	26.7	310 56 45.3	— 1.7
22 34 28.04	+ 1.37	0.9	2.2	5.3	57.7	29.0	27.1	327 9 1.5	— 1.9
22 37 49.43	+ 1.28	32.5	34.0	39.8	29.4	28.1	27.7	328 55 34.9	— 2.8
22 41 36.88	+ 1.35	30.5	30.0	37.1	27.2	28.8	27.0	327 31 21.3	— 1.9
22 46 10.56	— 1.46	18.9	18.7	27.7	16.5	29.0	27.0	327 52 32.2	— 2.0
22 47 43.23	— 1.46	Decl. ✱₂ = Decl. ✱₁ + 7ʳ670 = Decl. ✱₁ + 5′ 55.″2							
22 55 40.55	— 1.42	21.7	23.1	27.0	20.8	28.4	27.5	327 15 23.4	— 2.5
22 57 48.92	— 1.35	45.2	46.0	54.6	43.3	28.2	27.7	326 13 48.4	— 2.7
23 1 10.66	— 2.40	32.0	28.8	34.8	34.1	29.0	27.0	340 42 32.8	— 1.9
23 9 55.33	— 0.62	0.6	0.2	4.8	56.5	28.5	27.3	314 18 1.3	— 2.3
23 13 58.64	— 1.44	38.5	40.2	44.8	32.5	28.5	27.2	328 15 39.4	— 2.3
23 19 46.25	— 0.50	20.0	17.8	27.0	14.5	28.7	27.2	312 16 20.7	— 2.2
23 40 27.79	— 1.46	15.9	16.7	24.5	12.5	28.3	27.3	327 56 18.9	— 2.4
23 47 41.44	— 1.59	36.8	37.3	43.3	33.3	28.5	27.2	329 44 39.3	— 2.3
23 52 8.67	— 0.84	6.3	4.7	15.0	9.2	28.5	27.2	317 52 9.7	— 2.3
0 1 12.05	— 2.35	26.4	24.0	31.2	18.9	28.3	27.5	340 5 26.7	— 2.5
0 6 3.68	— 1.35	53.0	55.6	3.2	52.8	28.0	27.5	326 10 57.4	— 2.7
1 11 2.67	—152.70	....	....	....	....	....	....	....	.....

S 35.0 N 22.2
S′ 29.2 N′ 27.4

NE = + 5.5

L — L* = + 1ʳ884
= + 87.″24

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. äuss.
22h 23m	28.″085	+1.°7	0.°0
23 3	......	+1.7	—0.3
23 42	28.085	+1.7	—0.5

Polpunkt
41° 45′ 46.″8
46.1
45.4
43.4
46.9
46.1
45.5

41 45 45.74

Mittel der Fäden	Corr. des Instr.	I	II	III	IV	S	N	Mittel der Lesungen	Corr. wegen Libelle
22 28 9.66	— 0.42	....	....	....	....	....	....	....	.....
22 45 28.12	— 1.42	58.1	0.0	4.0	55.5	33.1	24.3	326 55 0.0	— 1.1
22 49 53.10	+ 1.46	38.0	40.6	45.8	33.2	33.5	24.2	281 28 40.5	— 0.8
22 55 39.89	— 1.44	18.1	22.2	24.5	14.1	33.0	24.8	327 15 19.9	— 1.4
22 59 2.51	— 1.57	26.4	28.5	31.7	23.6	33.4	24.5	329 6 27.9	— 1.0
23 3 11.12	+ 1.42	36.2	38.6	44.7	34.0	33.0	24.8	327 31 39.4	— 1.4
23 7 16.90	+ 1.45	47.8	48.8	55.2	44.9	33.1	24.5	327 8 51.0	— 1.2
23 11 49.79	— 1.60	20.7	21.1	25.1	15.2	33.5	24.2	329 39 20.8	— 0.8
23 17 18.97	— 0.97	51.3	43.2	49.4	40.2	33.3	24.5	7 17 47.8	— 1.1
23 22 1.11	— 1.43	2.8	1.7	7.3	57.6	33.8	24.0	327 1 3.0	— 0.5

1859	Grösse	1	2	3	I	II	4	III	5	IV	V	6	7	8
Nov. 13. ⊙														
(Fortsetzung)		s	s	s	s	s	s	s	s	s	s	s	s	s
✱ 🌢 1858 VIII	8	....	44.8	54.5	9.3	21.6	....	34.0	...	45.8	....	....	....	....
✱ 🌢 1858 VIII	8	....	....	....	....	....	....	....	....	57.5	10.0	24.6	34.5	44.4
δ Sculptoris	..	41.7	50.5	0.3	13.5	25.2	....	36.8	....	48.3	59.3	13.6	22.8	31.6
ω Piscium	..	....	....	....	....	....	....	8.6	...	18.5	28.2	....	48.6	56.3
Anonyma *	10	....	...	....	....	....	....	56.8	....	7.7	19.3	30.2	....	....
W. Z. XXXIV 24*	..	....	....	....	....	....	...	....	....	56.3	7.6	19.3	....	....
α Androm.	..	....	....	....	....	....	....	....	....	....	34.3	48.4	57.5	6.7
γ Pegasi	..	13.4	21.3	30.2	42.6	53.0	....	3.5	....	13.8	23.7	36.4	44.8	53.3
✱ (42) 1858	8	5.7	13.5	22.0	34.0	44.2	....	54.3	....	4.3	14.5	26.4	34.5	42.5
α Urs. min.	..	....	....	...	....	....	49.0	3.0	....	50.0	34.0	....	....	....

W + 4.4   O + 22.4   α Urs. min. } $n = -3^s.431$
W′ − 15.4   O′ + 43.0   δ Sculp. }

$c = -0^s.474$
$m = +2.082$

$F - F^* = +0^r.901$
$= +2^s.779$

	$m + x$
η Aquarii ...	$+0^m 0^s.97$
α Piscium .	0.79
δ Sculpt. ...	0.94
ω Piscium ..	1.14
α Androm...	0.87
γ Pegasi ...	0.83
um $23^h 30^m$	+ 0 0.92

Vom 13. bis 22. November tägl. Gang: $+ 0^s 07$.

1859	Grösse	1	2	3	I	II	4	III	5	IV	V	6	7	8
Nov. 14. ☾														
Beob. H. M.														
L. 44606	..	....	....	....	....	....	10.6	18.5	26.5	34.8	....	....	....	....
L. 44684	..	....	....	....	....	....	....	24.6	31.5	38.2	51.6	....	....	....
L. 44803	..	....	31.2	40.0	53.0	3.0	....	13.1	....	23.1	....	....	....	....
L. 45016	..	....	57.0	7.2	22.5	34.9	....	47.3	....	....	....	....	....	....
α Pegasi	..	58.0	6.2	14.9	27.4	37.4	....	48.4	....	58.6	8.6	21.8	29.7	38.0
L. 45424	..	....	....	....	....	....	....	54.8	....	4.9	14.7	26.9	....	....
γ Piscium.	..	....	14.4	22.3	34.5	44.5	....	54.4	....	4.7	14.5	26.6	35.4	43.1
L. 45837	..	55.0	3.0	11.0	23.2	33.2	....	43.4	....	....	....	....	....	....
L. 45904	..	....	....	....	....	....	....	1.3	....	11.5	21.4	....	....	....
L. 46032	..	....	....	....	3.6	18.0	25.3	32.1	39.5	46.7	....	....	....	....
L. 46130	..	....	....	....	....	....	....	....	....	....	....	33.0	....	48.5
L. 46252	..	....	....	...	....	....	....	28.4	....	38.5	48.9	0.8	....	....
L. 46523	..	....	....	....	7.4	17.4	...	27.5	....	37.5	47.6	....	....	....
L. 46564	..	....	....	....	....	....	....	....	....	....	....	....	....	48.6
L. 46686	.	....	....	....	54.6	5.6	....	16.8	....	27.4	....	....	....	....
L. 46792	..	....	....	....	....	....	....	57.0	....	6.7	17.0	....	....	....
L. 46913	..	....	....	....	....	7.5	....	17.2	....	27.5	37.4	....	....	....
L. 47029	..	....	....	....	0.5	10.6	....	20.4	....	30.7	40.9	....	....	....
L. 47187	...	37.0	51.2	6.0	27.4	45.8	54.5	3.5	12.7	21.9	...	....	....	....
L. 47301	...	....	....	....	....	....	....	....	....	45.1	55.5	7.4	....	....

Mittel der Fäden	Corr. des Instr.	Mikroskop I	II	III	IV	Libelle S	N	Mittel der Lesungen	Corr. wegen Libelle
h m s	s							° ′ ″	″
23 31 33.75	— 2.96	40.4	34.8	42.8	30.3	34.0	23.9	346 31 38.1	— 0.4
23 31 45.41	— 2.96	Decl. ✱₂ = Decl. ✱₁ + 0.325 = Decl ✱₁ + 15.″1							
23 41 36.67	+ 1.35	44.2	46.0	51.2	37.3	33.0	25.3	282 55 45.8	— 1.9
23 52 8.08	— 0.85	2.6	1.2	9.0	58.6	32.8	25.7	317 52 4.7	— 2.0
23 55 56.97	+ 1.95	52.2	51.0	59.8	48.0	32.8	25.7	317 55 53.7	— 2.0
23 58 44.78	+ 1.34	9.0	11.0	14.3	4.8	33.2	24.8	329 3 9.9	— 1.3
0 1 11.81	— 2.39	22.3	18.9	25.4	13.8	33.8	24.5	340 5 21.6	— 0.8
0 6 3.26	— 1.37	52.0	53.5	59.8	50.0	33.3	24.7	326 10 55.0	— 1.2
0 13 54.16	— 0.26	52.7	53.0	0.0	48.5	33.0	25.2	308 5 54.5	— 1.6
1 11 5.25	—156.15	15.3	5.0	4.6	59.6	34.8	22.8	40 19 6.8	+ 0.1

S 36.7 N 21.8
S′ 26.0 N′ 32.4

NE = + 10.7

L — L* = + 1.′892
= + 87.″61

Uhrzeit.	Bar.	Therm. R. inn.	Therm. R. äuss.
22h 30m	28.″043	+ 1.°8	— 0.°9
22 48	......	+ 1.6	— 1.2
23 35	28.037	+ 1.4	— 1.7
0 8	28.036	+ 1.3	— 1.8

Polpunkt
41° 45′ ....
42.″7
42.1
42.0
42.6
44.5
41 45 42.78

22 40 18.52	— 5.38	22.0	15.3	21.3	13.9	19.8	37.0	93 8 19.2	— 9.1
22 43 24.63	— 3.95	53.1	47.4	57.5	44.8	20.1	36.6	83 39 51.1	— 8.8
22 47 13.08	— 1.38	16.7	17.8	24.1	13.7	19.5	37.1	55 23 19.2	— 9.3
22 53 47.33	— 3.33	10.8	5.2	14.5	2.3	20.1	36.5	78 22 8.7	— 8.7
22 57 48.07	— 1.44	56.5	57.6	3.5	52.3	19.5	37.2	56 13 58.5	— 9.4
23 5 54.67	— 0.73	52.3	49.9	58.3	46.8	20.3	36.3	45 47 53.2	— 8.4
23 9 54.58	— 0.64	10.2	11.2	17.4	7.2	19.7	36.9	44 18 11.6	— 9.1
23 17 43.48	— 0.94	43.5	41.3	50.0	39.2	20.1	36.6	48 53 44.8	— 8.8
23 20 1.05	— 1.29	24.6	24.8	31.4	21.0	20.6	36.2	54 7 26.2	— 8.1
23 23 32.27	— 4.46	52.2	46.2	54.4	43.5	20.1	36.5	87 27 49.5	— 8.7
23 26 0.39	— 0.22	49.5	48.6	56.7	47.1	19.2	37.1	37 52 51.4	— 9.5
23 29 28.45	— 0.93	3.1	1.2	10.5	59.5	20.0	36.9	47 36 4.0	— 9.5
23 37 27.43	— 0.03	1.5	2.3	8.2	57.3	20.5	36.2	34 53 3.3	— 8.2
23 38 52.88	— 2.66	48.0	43.2	52.6	40.7	20.1	36.2	71 38 47.4	— 8.5
23 43 16.51	— 2.08	47.0	45.3	51.6	42.5	20.0	36.5	64 47 47.9	— 8.8
23 45 56.80	— 0.57	10.2	8.4	16.5	3.5	19.8	37.1	43 20 10.7	— 9.2
23 49 17.33	— 0.36	33.5	32.6	40.5	29.4	19.9	37.0	40 4 34.8	— 9.1
23 52 20.57	— 0.24	54.9	54.5	2.3	50.5	20.8	36.0	38 9 56.0	— 7.9
23 57 3.63	— 6.35	44.3	36.0	41.5	32.8	20.1	36.5	97 54 39.0	— 8.7
0 0 35.16	— 0.34	35.2	36.1	42.2	32.1	20.2	36.6	39 39 36.7	— 8.7

1859	Grösse	1	2	3	I	II	4	III	5	IV	V	6	7	8
Nov. 14. C														
(Fortsetzung)		s	s	s	s	s	s	s	s	s	s	s	s	s
γ Pegasi	..	13.0	21.2	29.8	42.4	52.6	....	2.7	....	13.2	23.4	36.0	44.4	52.5
L. 269	..	....	....	....	....	34.3	....	46.0	....	57.2	9.5	....	....	....
L. 411	..	58.4	....	20.4	36.5	50.0	....	3.4	....	....	....	....	....	....
L. 575	..	....	....	....	....	50.1	....	0.4	....	10.4	....	....	....	....
L. 664	..	....	....	....	24.3	34.3	....	44.5	....	54.5	4.5	....	....	....
L. 810	..	41.0	49.0	57.6	9.3	19.3	....	29.4	....	....	....	....	....	....
L. 904	..	....	....	....	....	57.0	....	8.3	....	20.0	31.4	....	....	....
L. 1013	..	....	....	....	....	6.3	14.7	22.9	30.4	38.6	...	....	....	....
β Ceti	..	....	50.0	58.9	11.6	22.3	....	33.5	....	43.5	54.1	6.4	15.4	....
L. 1303	..	....	....	....	57.8	11.4	18.5	25.1	32.1	....	53.0	....	....	....
L. 1410	..	....	....	....	....	....	....	....	....	....	27.3	39.0	47.6	55.6
L. 1497	..	....	....	....	....	....	....	....	....	....	54.0	6.0	14.1	22.5
L. 1597	..	....	....	....	....	....	....	25.1	....	36.4	48.3	....	....	....
L. 1678	..	....	....	....	....	....	....	....	....	54.0	4.0	....	24.4	32.1
L. 1837?	..	....	....	....	....	4.1	11.0	17.8	24.8	....	....	....	....	....
L. 1952	..	....	....	....	17.0	27.1	....	37.1	....	47.5	57.5	....	....	....
L. 2038	9	....	....	....	....	4.1	12.1	20.1	28.0	36.0	....	....	....	....
L. 2169	..	....	....	....	25.2	35.3	....	45.8	....	56.0	6.1	....	....	....
α Urs. min.	..	....	....	....	....	....	....	15.0	34.5	....	42.5	....	....	....
θ¹ Ceti	..	12.5	20.4	28.9	41.0	51.1	....	1.3	....	11.2	21.5	34.0	42.1	50.3

W − 17 0 O + 46.2 α Urs. min.
W' + 1.7 O' + 28.3 γ Piscium } $n = -3^s.690$

$c = -0^s.474$
$m = +2.064$

	$m + x$
α Pegasi	$+0^m 1^s.29$
γ Piscium	1.27
γ Pegasi	1.33
β Ceti	1.44
θ¹ Ceti	1.53
um $0^h 2^m$	+0 1.37.

Vom 3. bis 14. November tägl. Gang $+ 0^s.37$.

1859	Grösse	1	2	3	I	II	4	III	5	IV	V	6	7	8
Nov. 20. ☉														
Beob. H. M.														
α Cassiopeae	..	....	....	....	....	20.3	29.4	38.5	47.8	56.4	14.3	35.5	50.6	4.3
L. 1410	..	....	....	....	....	....	....	....	....	...	26.3	38.5	46.0	...
L 1552	..	....	22.0	32.4	47.6	0.3	....	12.0	....	....	38.1	....	....	....
L. 1678	..	53.5	1.8	10.6	22.4	32.3	....	42.2	....	52.5	....	....	....	....
ε Piscium	..	52.0	0.0	8.2	20.5	30.3	....	40.3	....	51.0	0 6	13.0	21.4	29.5
α Urs. min.	..	....	....	....	....	45.0	7.0	25.0	44.5	7.0	....	....	....	....
L. 2169	..	55.0	4.0	12.0	24.1	....	....	....	....	....	....	....	....	....
L. 1219	..	....	....	....	....	....	....	....	....	0.4	14.7	31.2	....	....
Cassiopeae	..	....	....	....	....	19.5	28.0	35.1	42.0	48.4	....	....	....	....
L. 2442	..	....	....	....	....	....	....	....	....	....	33 9	45.8	54.0	2.0

Mittel der Fäden	Corr. des Instr.	Mikroskop I	Mikroskop II	Mikroskop III	Mikroskop IV	Libelle S	Libelle N	Mittel der Lesungen	Corr. wegen Libelle
h m s	s							° ′ ″	″
0 6 2.82	— 1.44	5.0	6.5	13.1	2.8	19.7	37.2	56 11 7.9	— 9.3
0 10 45.87	— 2.72	23.8	16.9	26.2	15.8	20.5	36.3	72 17 21.8	— 8.3
0 15 3.42	— 3.94	9.6	1.9	12.5	1.6	20.8	36.0	83 35 7.4	— 7.9
0 20 0.26	— 1.02	3.2	0.7	8.5	59.0	20.8	36.1	50 10 3.4	— 8.0
0 22 44.37	— 0.35	55.9	53.8	2.7	51.2	20.1	36.8	39 53 57.4	— 8.9
0 26 29.47	— 0.25	51.2	49.4	58.1	46.5	20.7	36.1	38 16 52.2	— 8.0
0 29 8.37	— 2.59	48.9	44.8	52.5	42.5	20.1	36.7	70 50 48.5	— 8.8
0 32 22.55	— 5.33	50.6	42.7	50.6	41.2	20.6	36.1	92 52 47.2	— 8.1
0 36 32.71	+ 0.75	0.6	0.6	6.1	54.2	19.3	37.5	23 3 0.8	— 7.6
0 41 25.23	— 4.14	24.8	19.0	30.2	15.9	19.2	37.7	85 8 23.6	— 9.8
0 44 7.11	— 0.39	22.2	20.6	29.3	16.6	19.8	37.1	40 29 23.3	— 9.2
0 46 33.31	— 1.16	38.5	38.7	47.3	33.5	19.9	37.0	52 8 40.7	— 9.1
0 49 24.80	— 2.78	48.8	43.7	52.4	40.9	20.1	36.7	72 54 46.9	— 8.8
0 51 43.67	— 0.93	46.4	43.6	52.2	40.5	20.1	36.7	48 44 46.6	— 8.8
0 55 17.80	— 4.04	31.7	26.5	36.6	22.8	20.1	36.8	84 21 29.6	— 8.9
0 59 37.19	— 0.99	10.8	7.5	16.1	5.4	20.3	36.5	49 41 11.0	— 8.6
1 2 20.00	— 5.38	12.8	6.5	12.8	3.0	20.0	37.0	93 9 8.8	— 7.0
1 5 45.63	— 1.20	12.3	10.0	19.0	9.0	20.1	36.8	52 47 13.6	— 8.9
1 11 14.96	—166.53	....	....	....	....	....	....	....	......
1 17 1.28	+ 0.10	13.3	13.6	22.2	9.1	19.4	37.7	32 52 15.6	— 9.7

S 19.4 N 38 8
S′ 19.6 N′ 38.4

NE = — 0.3

Uhrzeit.	Bar.	Therm. R. inn.	Therm. R. äuss.
23h 0m	27.″755	+0.°5	—0.°7
0 10	27.745	+0.5	—1.1
1 20	27.731	+0.4	—1.4

Polpunkt
131° 45′ 49.″8
50.6
49.8
51.5
51.9

131 45 50.7

Mittel der Fäden	Corr. des Instr.	Mikroskop I	Mikroskop II	Mikroskop III	Mikroskop IV	Libelle S	Libelle N	Mittel der Lesungen	Corr. wegen Libelle
0 32 38.46	— 4.53	18.0	7.8	16.3	6.1	25.5	32.5	7 32 13.3	— 2.3
0 44 6.02	— 0.42	14.2	12.1	21.4	11.5	25.1	33.0	40 29 15.8	— 2.8
0 48 12.56	— 2.47	5.9	59.2	9.1	56.5	25.2	33.0	78 37 3.2	— 2.8
0 51 42.46	— 0.78	41.7	38.4	47.6	36.9	25.3	32.6	48 44 42.7	— 2.5
0 55 40.60	— 0.79	7.2	3.8	13.0	2.2	24.7	33.5	48 55 7.2	— 3.3
1 10 24.27	—179.25	....	....	....	....	....	....	....	......
1 5 44.67	— 0.97	6.8	5.9	13.8	3.5	25.7	32.9	52 47 8.7	— 3.9
1 7 47.23	— 2.93	33.8	27.6	38.7	25.1	26.0	32.7	84 10 32.2	— 2.2
1 11 34.55	— 3.20	4.4	58.3	6.8	56.5	25.9	32.8	87 3 2.9	— 2.3
1 14 13.41	— 0.17	51.3	51.0	59.6	48.7	25.8	32.7	34 53 54.3	— 2.3

1859	Grösse	1	2	3	I	II	4	III	5	IV	V	6	7	8
Nov. 20. ☉ (Fortsetzung)		s	s	s	s	s	s	s	s	s	s	s	s	s
L. 2579	..	....	....	....	....	....	....	....	....	2.5	12.8	24.6	33.1	40.6
L. 2680	..	....	....	....	12.0	26.5	34.3	41.5	49 2	56.4	10.8	....	....	....
L. 2775	..	...	....	....	....	....	....	29.0	....	39.0	49.2	1.7	....	....
L. 3017	..	....	....	....	44.2	10.6	24.9	38.5	53.0	6.1	....	....	....	....
L. 3134	..	....	....	....	....	36.4	47.2	59.0	10.5	22.0	....	....	....	....
L. 3200	..	....	....	....	...	....	....	....	24.5	32.2	48.6	8.6	....	....
L. 3321	..	....	....	....	50.0	2.4	....	14.6	....	28.1	40.7	....	....	....
β Arietis	..	3.8	12.8	21.1	34.1	44.5	....	55.2	...	6.0	16.6	29.5	38.5	46.8
L. 3950	..	....	....	....	21.5	31.6	.. ..	42.2	....	52.8	3.2	....	....	....
L. 4075	..	....	....	....	6.0	18.1	25.0	31.0	36.8	43.5	56.0	....	....	....
L. 4194	4	....	....	....	37.8	49.6	....	1.5	....	13.6	25.9	....	....	....
L. 4321	$3\frac{1}{2}$	....	....	....	....	6.0	....	16.0	....	26.2	....	....	....	....
L. 4392	..	....	....	....	....	21.3	....	33.5	...	45.0	57.4	....	....	....
L. 4508	..	....	....	53.5	7.5	20.7	....	33.1	....	46.4	....	....	....	....
L. 4589	..	....	....	....	....	....	....	12.2	....	26.9	41.4	....	....	....
L. 4678	..	....	....	....	58.2	20.2	31.3	42.0	53.3	4.5	....	....	....	....
L. 4793	..	....	....	....	....	....	....	21.5	34.4	46.8	....	....	....	....
L. 4904	..	....	....	11.0	26.2	39 9	....	52.7	....	5.8	....	....	....	....
γ Ceti	..	14.3	22.2	30 4	43.0	52.8	....	3.0	.. .	13.1	23.2	34.9	43.0	51.4
L. 5137	..	....	....	....	....	14.4	24.3	34.0	44.5	54.6	....	....	....	....
L. 5255 pr. ..	..	...	....	....	....	....	....	25.3	....	....	48.1	3.1	12.9	23.7

W + 16.5　O + 12.9　α Urs. min.
W' — 2.8　O' + 32.7　ε Piscium　} n = — 2ˢ.507

c = — 0ˢ.474
m = + 2.071

	m + ε
α Cassiop. .	+ 0ᵐ 2ˢ.36
ε Piscium ...	2.19
β Arietis ...	2.17
γ Ceti	2.21
um 1ʰ 28ᵐ	+ 0 2.23

Vom 14. bis 20. November tägl. Gang: — 0ˢ.01.

1859	Grösse	1	2	3	I	II	4	III	5	IV	V	6	7	8
Nov. 21. ☾ Beob. H. M.														
ω Piscium ..	..	....	....	34 5	46.6	56.4	....	7.0	....	17.0	27.1	39.2	47.5	55.6
L. 47287 ...	..	27.5	36.8	46.4	0.3	12.0	...	23.8	....	35.0	....	....	....	....
L. 30 ...	.	54.0	3.0	2.1	25.2	37.4	....	48.9	....	0.4	....	....	....	....
L. 104 ...	..	...	....	....	....	....	....	....	....	....	34.0	52.0	4.6	16.4
L. 269 ...	..	48.6	58.0	7.5	21.5	32.0	....	44.5	....	....	....	....	....	....
L. 371 ...	..	....	....	....	7.6	22.0	....	36.5	....	50.8	....	....	....	....
L. 482 ...	..	37.6	46.2	55.0	7.6	18.6	....	28.4	....	....	....	....	....	....
L. 573 ...	..	....	....	....	37.1	49.6	....	2.2	....	15.0	27.8	....	....	....
12 Ceti ...	..	....	....	....	....	42.7	....	52.7	....	2.7	12.9	25.0	33.1	41.2
L. 904 ..	..	....	....	30.1	44 0	55.3	....	6.5	....	18.3	....	....	....	....

Mittel der Fäden	Corr. des Instr.	Mikroskop I	II	III	IV	Libelle S	N	Mittel der Lesungen	Corr. wegen Libelle
h m s	s							° ′ ″	″
1 17 52.39	— 0.68	31.0	29.8	37.5	27.2	25.7	33.0	46 30 31.7	— 2.5
1 21 41.46	— 3.30	9.8	1.3	15.0	1 9	25.7	32.9	88 1 7.6	— 2.4
1 24 28.87	— 0.93	16.2	15.0	22.2	12.8	25.9	32.8	51 51 16.8	— 2.3
1 32 38.68	— 7.76	1.1	50.0	56.7	46.8	25.3	32.7	110 30 54.2	— 2.5
1 35 58.94	— 6.23	26.5	16.2	22.6	12.9	26.0	32.9	105 48 19.8	— 2.3
1 38 15.98	— 4.00	1.6	55.3	3.3	52.5	26.3	32.2	93 55 59.3	— 1.7
1 42 [illegible].10	— 2.53	59.8	54.0	3.3	50.2	26.0	32.5	79 22 57.9	— 2.1
1 46 55.34	— 1.42	58.8	56.0	3.0	57 2	25.8	33.0	61 54 0.5	— 2.4
2 1 42.21	— 1.24	38.7	41.0	45.8	36.2	26.0	32.8	58 20 41.9	— 2.2
2 5 30.86	— 2.48	48.1	52.0	3.0	48.8	26.4	32.5	78 43 54.1	— 1.8
2 9 1.62	— 2.21	16.0	9 3	19.0	8.2	26.0	32.7	74 58 13.8	— 2.2
2 12 16.07	— 0.32	25.9	23.5	32.5	22.2	26.5	32.5	38 10 26.8	— 1.8
2 15 33.24	— 2.21	32.9	26.0	36.4	25.0	26.0	32.4	74 59 31.4	— 2.0
2 19 33.50	— 2.58	59.5	54.0	5.1	50.2	26.1	32.8	79 58 58.2	— 2.2
2 22 12.36	— 3.25	27.9	17.3	30.8	17.5	26.8	32.1	87 32 24.7	— 1.4
2 25 42.15	— 5.94	49.8	39 9	48.2	37.9	26.6	32.1	104 38 45.4	— 1 5
2 28 21.63	— 2.46	53.4	47.4	58.1	44.9	26.0	32.9	78 30 51.5	— 2.3
2 31 52.63	— 2.68	0.4	54.2	6.5	52.5	26.1	32.5	81 16 59.5	— 2.0
2 36 2.83	— 0.59	45.0	42.4	50.4	39.6	26.1	32 5	44 25 45.4	— 2.0
2 40 34.29	— 5.25	5.8	56.8	3.6	54.2	25.9	32.9	101 34 0.7	— 2.3
2 43 23.03	— 2.46	22.5	16.7	26.4	14.6	26.1	32.6	78 29 21.4	— 2.3

S 17.8 N 40.2
S′ 20.9 N′ 38.0

NE = — 2.7

Uhrzeit.	Bar.	Therm. R inn.	äuss.
0h 30m	27.″808	— 0.°5	— 2.°1
1 10	......	......	— 2.4
1 40	27.885	— 1.0	— 2.6
2 40	27.885	— 1.2	— 3.0

Polpunkt
131° 45′ 52.″5
53.7
53.9
55.3
131 45 53.8

23 52 6.83	— 0.78	20.2	19.5	28.5	18.1	20.0	40.2	47 52 22.4	— 8.2
0 0 23.71	— 2.25	53.0	47.9	57.5	46.3	27.2	32.5	72 39 51.7	— 0.3
0 3 48.67	— 2.10	50.8	47.1	54.8	43.3	27.9	32.0	70 32 50.5	+ 0.4
0 6 3.06	— 3.99	57.2	50.3	58.4	47.7	27.6	32.5	90 42 53.9	— 0.3
0 10 44.55	— 2.23	19.5	14.0	24.1	13.7	27.6	32.2	72 17 19.1	+ 0.1
0 13 36.36	— 3.60	....	....	....	....	....	....	....	.....
0 17 28.89	— 1.50	23.0	22.1	28.6	19.8	27.5	32.7	61 4 24.2	— 0.2
0 20 2.28	— 2.80	36.3	30.6	41.2	25.9	27.5	32.4	79 29 34.9	— 0.1
0 22 52.67	— 0.24	25.2	25.3	33.4	22.2	28.0	32.0	37 3 26.7	+ 0.4
0 29 6.76	— 2.12	45.2	40.1	48.2	38.5	27.2	32.8	70 50 44.5	— 0.4

1859	Grösse	1	2	3	I	II	4	III	5	IV	V	6	7	8
Nov. 21. ☾														
(Fortsetzung)		s	s	s	s	s	s	s	s	s	s	s	s	s
L. 1116	..	....	....	....	....	57.1	3.2	9.0	14.5	20.1	....	....	....	....
L. 1206	..	....	22.9	32.0	46.0	57.4	....	8.8	....	....	....	....	....	....
L. 1283	..	....	....	....	10.6	21.2	....	31.3	....	42.3	53.0	....	....	....
L. 1386	..	....	....	57.6	14.5	28.2	....	41.9	....	55.6	....	....	....	....
Andromedae .	..	....	....	....	....	....	4.0	9.9	16.0	23.0	36.3	....	....	....
L. 1581	..	....	....	....	34.4	44.5	....	54.7	....	5.0	15.0	....	....	....
L. 1678	..	....	....	....	22.6	32.5	....	42.5	....	52.5	2.9	....	....	....
L. 1792	..	....	15.4	24.8	38.3	49.8	....	0.5	....	12.0	....	....	....	....
L. 1883	..	....	....	....	21.9	32.0	....	42.1	....	52.0	2.4	....	....	....
L. 1974	..	....	....	55.0	7.1	17.4	....	27.9	....	38.0	48.6	....	....	....
L. 2115	..	3.1	13.1	23.5	39.0	51.3	....	3.2	....	....	....	....	....	....
α Urs. min...	..	....	....	....	....	....	17.5	34.0	....	19.0	....	....	....	....
Cassiopeae ..	..	....	....	....	....	22.5	....	34.4	....	46.9	....	....	....	....
L. 2367	..	....	....	....	....	....	....	34.5	....	49.0	3.0	20.2	....	....
L. 2585 ...	..	....	....	....	....	9.0	....	20.2	....	32.1	44.0	58.1	....	....
L. 2680	..	....	....	55.2	12.2	27.0	....	....	....	....	....	....	....	....
η Piscium...	..	....	....	27.0	39 4	49.6	....	59.9	....	10.2	20.4	33.3	41.6	50.0
L. 2841	..	....	....	....	....	....	....	....	....	16.6	43.6	17.2	....	....
L. 3017	..	....	....	....	43.4	11.6	26.2	39.0	52.9	....	....	....	....	....
L. 3134	..	....	....	....	14.1	37.1	48.6	59.5	11.0	....	....	....	....	....
L. 3201	..	....	....	....	....	7.0	15.5	24.1	32.7	42.0	....	....	....	....
L. 3291	..	....	....	....	57.0	8.6	....	20.4	....	32.2	44.3	....	....	....
L. 3397 ...	..	....	....	....	....	....	....	14.5	....	....	....	....	59.9	9.3
L. 3557	..	....	....	....	50.1	9.0	18.0	27.3	36.5	45.4	....	....	....	....
L. 3666	..	....	....	....	39.3	49.5	....	59.3	....	9.2	19.5	....	....	....
L. 3762	..	16.8	27.6	38.6	54.9	8.3	....	21.6	....	....	....	....	....	....
α Arietis ...	..	25.4	34.4	43.2	56.4	6.9	....	18.0	....	29.2	39.6	53.1	1.6	10.5

W + 13 2 O + 16.3 α Urs. min.
W′ − 3 6 O′ + 34.7 12 Ceti } $n = -2^s843$

$c = -0^s474$

$m = +2.229$

	$m + x$
ω Piscium...	$+0^m 2.^s 25$
12 Ceti.....	2.36
η Piscium...	2.31
α Arietis ...	2.39
um $0^h 54^m$	+ 0 2.33

Vom 20. bis 21. November tägl. Gang: — 0^s52.

Nov. 21. (☾) Beob. W.		1	2	3	I	II	4	III	5	IV	V	6	7	8
α Urs. min. O	..	....	16.0	44.0	45.0	....	....	....	....	....	....	....	....	....
α Urs. min. W	..	....	....	....	....	....	....	....	....	....	....	21.0	50.0	....

Kreis Ost.

W + 16.8 O + 13^s0 Diff. (Mittf. — Mdz. I.) = + 0^s9007

W′ — 3 2 O′ + 33.7 Diff. (Mittf. — Mdz. II.) = — 2.4834

$b_1 - b_2 = +0^s046$ K. O.: $c = -0^s474$

$a_1 - a_2 = +0.064$ K. W.: $c = +0.446$

Mittel der Fäden	Corr. des Instr.	Mikroskop I	II	III	IV	Libelle S	N	Mittel der Lesungen	Corr. wegen Libelle
h m s	s							° ′ ″	″
0 35 8.74	— 2.27	11.9	8.2	17.0	7.2	27.8	32.1	72 50 12.3	+ 0.3
0 38 8.74	— 2.08	56.1	50.3	59.7	48.9	27.3	33.0	70 11 55.4	— 0.5
0 40 31.63	— 1.32	24.0	24.8	31.6	20.2	27.9	32.0	57 58 26.0	+ 0.4
0 43 41.85	— 3.32	47.7	40.7	52.2	40.1	27.6	32.3	84 56 46.7	+ 0.1
0 46 9.98	— 2.95	11.9	6.6	17.4	3.1	27.6	32.4	81 11 11.0	+ 0.0
0 48 54.67	— 0.90	30.4	28.7	39.0	26.8	28.0	31.7	50 10 32.1	+ 0.6
0 51 42.55	— 0.82	42.6	39.8	49.8	38.6	28.0	31.9	48 44 44.2	+ 0.5
0 55 0.76	— 1.98	9.8	4.8	14.0	4.9	27.9	32.1	68 46 9.0	+ 0.3
0 57 42.03	— 0.83	34.5	34.3	42.2	32.5	27.5	32.8	48 55 36.8	— 0.3
1 0 27.85	— 1.26	37.4	38.7	47.1	35.6	27.8	32.3	56 53 41.1	+ 0.2
1 4 3.77	— 2.75	55.4	50.4	1.1	47.9	28.0	32.0	78 55 54.8	+ 0.4
1 10 34.26	—132.77	....	....	....	....	....	....	....	......
1 8 34.56	— 2.59	43.1	38.8	49.4	35.3	27.5	32.8	77 2 43.2	— 0.3
1 11 34.48	— 3.54	4.9	55.8	9.3	55.0	28.1	32.0	87 3 2.6	+ 0.5
1 18 20.42	— 2.27	27.1	21.2	27.9	17.6	27.5	32.5	72 57 23.7	— 0.1
1 21 41.35	— 3.65	14.5	6.4	17.4	4.8	28.0	32.1	88 1 11.5	+ 0.4
1 23 59.94	— 1.23	....	....	....	....	....	....	....	......
1 27 48.39	— 8.61	39.8	29.6	35.8	24.8	27.2	32.9	110 29 33.9	— 0.5
1 32 39.16	— 8.62	2.3	51.9	58.4	48.3	27.2	33.0	110 30 55.7	— 0.5
1 36 59.75	— 6.92	28.1	18.5	24.2	14.3	28.1	31.9	105 48 21.5	+ 0.5
1 38 24.20	— 4.88	50.6	42.9	49.9	40.6	27.9	32.3	96 44 47.5	+ 0.2
1 41 20.44	— 2.31	2.6	57.9	3.8	51.7	27.9	32.3	73 30 0.4	+ 0.2
1 44 11.57	— 2.43	50.5	42.5	53.9	43.2	27.9	32.1	74 59 49.1	+ 0.3
1 49 27.14	— 5.27	32.2	24.4	31.0	23.7	28.0	32.1	98 51 28.1	+ 0.4
1 51 59.31	— 0.47	39.6	38.6	46.1	35.0	27.9	32.2	41 36 40.2	+ 0.3
1 55 21.64	— 3.16	40.1	34.3	45.0	30.6	28.2	31.8	83 25 38.4	— 0.6
1 59 18.01	— 1.71	30.1	28.9	35.4	27.3	28.6	31.5	64 34 31.3	+ 1.0

S 20.9 N 39.2

S′ 25.5 N′ 34.3

NE = — 4.8

Uhrzeit.	Bar.	Therm. R. inn.	Therm. R. auss.
0h 0m	27.″830	—1.°1	—2.°1
0 50	......	.....	—2.2
1 10	27.839	—1.3	—2.2
2 0	27.821	—1.5	—2.7

Polpunkt

131° 45′ 53.″9
55.5
....
56.2

131 45 55.2

13 6 13.90	....	....	....	....	....	....	....	....	......
13 6 51.05	....	....	....	....	....	....	....	....	......

Kreis West.

W + 15.3 O + 14.7 Diff. (Mittf. — Mdz. I.) = + 1.ˢ1803

W′ — 3.3 O′ + 33.6 Diff. (Mittf. — Mdz. II.) = — 1.2075

1859	Grösse	1	2	3	I	II	4	III	5	IV	V	6	7	8
Nov. 22. ♂														
Beob. W.		s	s	s	s	s	s	s	s	s	s	s	s	s
α Urs. min. . .	. .	....	....	....	....	....	....	....	16.0	....	24.0	....	....	25.0
W.Z.	$7\frac{1}{2}$	....	....	....	....	9.3	....	19.5	....	30.3	40.5	53.5	1.8	10.6
W.Z.	$7\frac{1}{2}$	24.5	32.7	41.5	53.8	4.8	....	15.0	....	25.3	36.2	....	....	....
W.Z.XLIII 70	8	52.5	1.3	9.3	22.3	32.5	....	43.8	....	53.8	3.7	....	....	....
ν Piscium . . .	. .	....	....	....	....	....	....	....	....	18.5	28.5	40.6	48.7	56.8
α Arietis . . .	. .	....	....	42.3	55.3	6.5	....	17.5	....	28.5	39.4	52.5	1.5	....
✱ (32) 1855 .	$9\frac{1}{2}$	30.5	38.5	46.8	58.8	9.3	....	19.5	....	29.2	39.5	52.5	0.0	....
67 Ceti	. .	....	....	....	38.8	....	....	59.2	....	....	....	....	....	....

W + 16.4 O + 12.6 α Urs. min. }
W′ − 7.0 O′ + 36.4 ν Piscium } $n = -2\overset{s}{.}849$

$c = -0\overset{s}{.}446$
$m = +2.276$

		$m + n$
ν Piscium . . .		$+0^m 1\overset{s}{.}60$
α Arietis . . .		1.90
67 Ceti		1.54
um	$1^h 55^m$	$+0$ 1.71

Vom 13. bis 22. November tägl. Gang: $+0\overset{s}{.}07$.

1859	Grösse	1	2	3	I	II	4	III	5	IV	V	6	7	8
Dec. 5. C														
Beob. H., M.														
L. 45650 . . .	$6\frac{1}{2}$	....	....	....	....	....	....	....	....	0.5	13.0	29.2	40.4	....
κ Piscium. . .	. .	59.8	7.6	15.8	27.8	38.3	....	48.2	....	58.2	8.3	20.4	28.5	36.6
L. 46099 . . .	9	....	....	....	....	8.0	....	18.4	....	28.5	38.5	....	....	....
L. 46254 . . .	9	....	....	....	....	37.2	....	47.2	....	57.8	8.2	....	....	....
ι Piscium . . .	. .	....	....	....	....	....	....	....	....	....	....	....	....	....
L. 46523 . . .	9	....	....	....	....	....	....	....	....	....	50.9	3.0	11.8	19.3
L. 46679 . . .	9	....	....	52.1	11.6	27.7	36.8	45.0	53.0	1.0	17.5	....	....	....
L. 46813 . . .	9	....	....	....	....	....	....	....	....	....	49.5	9.2	22.4	36.0
L. 46956 . . .	$8\frac{1}{2}$	....	....	....	....	....	....	31.0	....	41.0	51.7	4.5	13.3	21.8
L. 47187 . . .	$7\frac{1}{2}$	....	46.4	1.3	22.9	41.0	50.2	59.2	8.2	17.3	....	....	....	....
α Androm. . .	. .	....	....	35.3	49.0	0.4	....	11.5	....	23.2	34.5	48.3	57.6	6.8
L. 176 . . .	. .	....	....	....	19.4	31.9	....	44.6	....	57.0	9.1	....	....	....
L. 304 . .	. .	....	....	....	10.2	20.6	....	31.1	....	41.0	51.2	....	....	....
L. 411 . . .	$9\frac{1}{2}$	....	....	....	35.0	48.1	....	2.8	....	15.5	29.0	....	....	....
L. 514 . . .	. .	....	....	....	....	48.2	....	0.2	....	11.3	23.0	....	....	....
L. 650 . . .	. .	....	31.9	41.9	56.3	9.0	....	21.6	....	34.0	....	....	....	....
L. 754 . . .	. .	....	....	....	....	50.9	....	1.1	....	12.2	23.0	....	....	....
L. 873 . . .	. .	....	....	....	58.0	10.4	....	23.3	....	35.0	48.2	....	....	....
L. 1116 . . .	. .	....	....	....	....	58.6	....	10.5	....	22.0	34.2	....	....	....
L. 1208 . . .	. .	....	....	....	....	54.0	....	5.0	....	15.2	25.4	39.0	....	....
L. 1491 . . .	. .	35.8	44.0	52.0	4.0	14.3	....	24.3	....	34.5	....	....	....	....
L. 1597 . .	. .	....	....	....	....	....	....	....	....	36.9	48.8	3.2	12.7	....
L. 1725 . . .	. .	....	....	....	37.8	48.0	....	58.1	....	8.0	18.4	....	....	....
L. 1861 . . .	. .	....	....	....	44.1	57.9	....	11.2	....	25.0	37.8	....	....	....
L. 2059 . . .	. .	....	....	....	19.1	32.6	....	46.0	....	59.0	12.6	....	....	....

Mittel der Fäden	Corr. des Instr.	Mikroskop I	II	III	IV	Libelle S	N	Mittel der Lesungen	Corr. wegen Libelle
h m s	s							° ′ ″	″
1 10 0.80	— 96.10	....	....	....	....	....	....	....	......
1 16 19.69	— 0.40	2.7	52.2	55.2	46.9	24.5	34.3	31 5 55.2	+ 6.8
1 27 15.06	— 0.44	39.6	28.5	32.7	24.8	24.4	34.5	30 25 32.4	+ 6.9
1 31 43.09	— 0.35	28.8	18.5	21.8	12.9	24.2	34.7	32 15 20.7	+ 7.1
1 34 8.31	+ 0.31	22 6	12.4	14.7	6.8	24.8	34.3	43 23 15.6	+ 6.6
1 59 17.51	— 0.72	28.8	22.5	22.5	14.8	24.0	34.8	25 22 22.7	+ 7.3
2 5 19.35	— 0.11	8.0	4.2	0.7	55.2	23.9	35.0	36 58 2.7	+ 7.4
2 9 59.16	+ 0.80	....	....	....	....	....	....	....	......

S 25.8 N 33.0
S′ 22.8 N′ 35.6

NE = + 2.8

Uhrzeit.	Bar.	Therm. R. inn.	Therm. R. äuss.
$1^h 19^m$	27.″850	— 0.°3	— 1.°4
1 36	......	— 0.4	— 1.4

Polpunkt
318° 11′ 8.″6
5.8
...
318 11 7.2

23 11 46.80	+ 0.98	5.2	57.1	1.4	52.3	28.8	32.2	7 9 59.6	+ 2.4
23 19 48.16	+ 0.45	36.9	25.4	26.1	20.4	30.3	31.0	47 40 28.0	+ 9.9
23 25 18.29	+ 0.54	55 2	44.7	44.5	39.6	30.2	31.6	37 45 46.5	+ 1.3
23 29 47.28	+ 0.32	2.8	53.1	52.1	45.4	29.8	31.9	66 28 54.5	+ 1.7
....	....	59.5	49.3	51.2	44.2	29.0	32.8	43 17 52.8	+ 2.6
23 37 30.76	+ 0.39	6.0	54.9	56.5	48.8	29.7	32.4	55 3 57.1	+ 2.0
23 42 44.73	+ 1.32	34.5	26.0	38.0	26.1	29.1	33.0	355 38 32.6	+ 2.6
23 46 16.63	+ 1.31	5.9	59.2	8.2	56.8	29.1	33.0	355 52 3.1	+ 2.6
23 50 30.52	+ 0.63	20.4	9.9	13.8	5.2	28.7	33.2	28 37 13.0	+ 3.0
23 56 59.16	+ 1.47	19.4	13.4	25.3	11.0	27.8	34.7	352 2 18.6	+ 4.3
0 1 11.79	+ 0.75	27.9	19.1	23.3	14.8	28.1	34.0	19 51 21.5	+ 3.7
0 7 44.46	+ 0.87	40.1	32.5	38.7	29.0	27 7	34.6	12 31 36.0	+ 4.3
0 11 30.87	+ 0.55	11.7	1.7	2.2	54.3	28.0	34.3	36 15 2.9	+ 3.9
0 15 2.15	+ 1.00	56.8	50.1	56.1	47.5	28.1	34.3	6 21 53.1	+ 3.9
0 17 59.97	+ 0.76	20.7	12.2	16.0	8.5	28.9	33.8	18 54 14.5	+ 3.2
0 22 21.58	+ 0.88	38.5	32.9	36.4	28.4	29.0	33.6	12 6 34.4	+ 3.0
0 25 1.41	+ 0.67	11.1	2.6	6.1	6.9	29.5	33.1	25 50 7.9	+ 2.5
0 28 23.04	+ 0.91	28.9	19.5	25.7	16.8	29.6	33.1	10 35 24.1	+ 2.4
0 35 10 51	+ 0.79	47.4	39.1	43.2	34.2	29.1	33.6	17 6 41.4	+ 3.0
0 38 4.63	+ 0.31	21.4	14.4	12.7	6.4	29.0	33.9	68 12 13.8	+ 3.2
0 46 24.36	+ 0.49	29.2	18.2	22.5	15.0	28.5	34.3	42 56 22.6	+ 3.7
0 49 25.44	+ 0.79	15.5	6.4	11.9	1.7	28.6	34.2	17 2 10.1	+ 3.6
0 52 58.11	+ 0.42	8.9	58.1	0.7	53.2	28.7	34.3	50 56 1.3	+ 3.6
0 57 11.27	+ 1.02	59.8	53.2	59.2	50.2	28.0	35.0	5 34 56.7	+ 4.3
1 2 45.73	+ 0.99	11.2	0.9	11.0	11.0	27.3	35.7	6 47 9.7	+ 5.1

1859	Grösse	1	2	3	I	II	4	III	5	IV	V	6	7	8
Dec. 5. ☾														
(Fortsetzung)		s	s	s	s	s	s	s	s	s	s	s	s	s
α Urs. min....	..	....	....	....	....	....	....	44.0	2.5	25.0	13.0	....	....	....
L. 2392	..	....	51.9	1.4	16.8	29.3	....	41.7	....	....	....	....	....	....
η Piscium...	..	....	21.6	29.5	42.0	52.5	....	3.2	....	13.3	23.5	36.3	44.5	53.2
L. 2995	..	3.0	12.0	21.5	35.2	47.1	....	....	....	....	....	....	....	....
ν Piscium...	..	24.1	32.0	39.6	52.0	2.2	....	12.1	....	22.3	32.4	44.6	53.0	1.0
L. 3221	..	....	....	....	....	37.8	....	50.9	....	4.1	18.1	....	....	....
L. 3345	..	....	....	16.8	32.0	44.1	....	57.0	....	9.8	....	....	....	....
L. 3443	..	....	....	....	....	....	....	31.1	....	41.0	51.1	3.4	....	....
L. 3575	..	....	37.4	47.2	2.0	14.5	....	27.3	....	....	....	....	....	....
L. 3655	..	....	....	....	....	42.4	....	53.2	....	3.9	14.2	27.4	....	....
α Arietis ...	..	28.4	37.0	45.5	59.3	9.6	....	20.2	....	31.5	42.3	55.1	4.4	13.3

W 27.2   O 2.2   α Urs. min., κ Piscium } $n = +0^s.451$

W′ 6.2   O′ 23.6

$c = +0^s.446$

$m = -0.330$

	m + n
κ Piscium ..	$-0^m 2^s.67$
ι Piscium...	.....
α Androm. ..	2.48
η Piscium...	2.61
ν Piscium. ..	2.63
α Arietis ...	2.66
um $0^h 52^m$	-0 2.61

Vom 21. November bis 5. December tägl. Gang: $-0^s.17$.

Dec. 17. ♄ Beob. W.														
✱ (42) 1858 .	$8\frac{1}{2}$	....	....	51.7	4.6	15.7	....	26.2	....	36.5	47.3	0.5	9.4	17.5
✱ (42) 1858 .	$7\frac{1}{2}$	7.5	16.5	24.5	37.6	48.5	....	59.4	....	10.0	20.5	33.6	42.4	50.5
α Persei....	..	14.6	26.5	39.3	57.6	13.3	20.8	28.5	36.3	43.6	59.5	17.5	30.6	42.7
✱ (42) 1858 .	..	....	....	....	....	....	....	....	....	....	48.6	1.3	....	19.5
✱ ☄ 1858 VIII	$7\frac{1}{2}$	....	....	....	42.5	57.5	5.6	12.5	19.7	27.7	42.5	1.5	12.8	25.5
η Tauri	..	....	....	....	....	6.8	....	17.5	....	28.5	39.4	52.6	1.5	10.7
$γ^1$ Eridani ..	..	....	....	4.5	....	....	....	37.4	....	....	58.5	....	19.3	27.8
o^1 Eridani...	..	....	29.5	37.2	49.4	59.6	....	9.5	....	20.2	30.5	....	50.5	58.3
Parthenope ✱	..	....	....	....	....	....	....	....	....	....	29.5	41.3	....	....
ε Tauri. ...	..	43.5	51.6	0.5	13.5	23.8	....	34.5	....	45.5	55.3	8.5	17.3	25.7
δ Urs. min...	..	....	....	....	....	....	....	....	....	....	53.0	16.5	32.5	49.0

W 29.2   O 4.4   δ Urs. min., α Persei } $n = -0^s.240$

W′ 4.2   O′ 29.4

$F - F^* = -0^r.742$

$= -2^s.288$

$c = +0^s.446$

$m = +0.181$

	m + n
α Persei....	$-0^m 6^s.02$
η Tauri	6.07
$γ^1$ Eridani ..	6.48
o^1 Eridani ..	6.47
ε Tauri	6.23
um $3^h 50^m$	-0 6.25

Vom 22. November bis 17. December tägl. Gang: $-0^s.24$.

Mittel der Fäden	Corr. des Instr.	Mikroskop I	II	III	IV	Libelle S	N	Mittel der Lesungen	Corr. wegen Libelle
h m s	s							° ′ ″	″
1 7 46.02	+ 35.93	...	....	....	....	....	....	....	......
1 12 41.53	+ 0.87	13.2	6.3	12.0	1.8	27.8	35.5	12 30 8.4	+ 4.7
1 24 2.99	+ 0.58	51.3	39.4	46.3	35.8	27.4	35.9	33 32 44.2	+ 5.1
1 30 59.00	+ 0.79	19.4	9.8	16.9	6.5	28.0	35.4	17 14 14.5	+ 4.5
1 34 12.32	+ 0.49	20.9	11.5	14.8	6.5	27.5	35.8	43 23 14.7	+ 5.0
1 38 51.08	+ 0.99	7.7	58.8	6.6	57.2	28.0	35.2	6 41 3.7	+ 4.4
1 42 57.14	+ 0.90	51.7	43.4	49.1	40.5	28.5	34.8	10 50 47.8	+ 3.9
1 45 31.08	+ 0.43	59.0	48.7	52.3	43.8	28.4	34.9	50 52 52.1	+ 4.1
1 49 27.13	+ 0.88	27.5	18.0	24.7	15.2	27.7	35.7	12 5 22.8	+ 4.9
1 51 53.10	+ 0.64	41.9	31.9	37.8	27.6	27.8	35.6	27 47 36.3	+ 4.8
1 59 20.67	+ 0.67	28.9	16.9	25.2	13.8	27.9	35.3	25 22 22.0	+ 4.5

S 26.6 N 34.0
S′ 24.6 N′ 34.0

NE = + 1.0

Uhrzeit.	Bar.	Therm. R. inn.	Therm. R. äuss.	Polpunkt
23h 10m	27.″725	— 1.°9	— 4.°7	318° 11′ 3.″2
23 50	......	......	— 5.4	3.2
0 20	......	......	— 5.6	4.3
0 40	......	......	— 5.8	3.5
0 50	27.728	— 3.2	— 5.8	6.7
1 30	......	......	— 6.2	3.5
2 0	27.725	— 3.1	— 6.3	318 11 4.1

Mittel der Fäden	Corr. des Instr.	Mikroskop I	II	III	IV	Libelle S	N	Mittel der Lesungen	Corr. wegen Libelle
3 1 26.12	+ 0.39	2.5	50.1	55.8	46.6	35.4	27.2	27 57 54.3	— 3.3
3 6 59.20	+ 0.39	6.3	53.6	1.0	47.6	34.9	27.5	27 39 57.7	— 2.9
3 14 28.56	+ 0.40	21.0	12.2	20.0	10.7	34.7	28.0	358 49 16.8	— 2.5
3 31 26.86	+ 0.38	....	....	....	....	....	....	25 47	......
3 34 12.73	+ 0.40	25.8	18.8	25.1	16.4	34.0	28.5	0 6 21.7	— 1.8
3 39 17.61	+ 0.38	24.0	13.8	19.3	9.5	34.5	28.0	24 30 16.8	— 1.3
3 51 37.67	+ 0.52	47.2	37.9	37.0	28.0	34.5	28.2	62 3 37.9	— 1.2
4 5 9.84	+ 0.48	....	....	....	....	....	....	....	......
4 16 47.00	— 1.98	....	....	....	....	....	....	32 45	......
4 20 34.54	+ 0.39	28.8	19.3	21.4	13.8	34.8	28.0	29 18 21.1	— 1.5
6 17 12.83	— 3.41	....	....	....	....	....	....	....	......

S 36.4 N 27.0
S′ 34.2 N′ 29.0

NE = + 2.1

L — L* = + 1.′954
= + 90.″48

Uhrzeit.	Bar.	Therm. R. inn.	Therm. R. äuss.	Polpunkt
3h 9m	27.″343	— 5.°2	— 6.°5	318° 11′ 2.″9
3 54	27.351	— 5.2	— 6.8	2.5
				2.7
				...
				2.8
				318 11 2.73

1859	Grösse	1	2	3	I	II	4	III	5	IV	V	6	7	8
Dec. 21. ☿														
Beob. H. M.		s	s	s	s	s	s	s	s	s	s	s	s	s
α Urs. min. . .	. .	....	....	36.0	35.0	20.0	49.0	7.0	24.0	48.0	32.0	40.0	7.0	34.0
L. 4736	. .	....	....	....	11.8	25.0	....	37.9	....	51.1	4.0	....	....	....
L. 4936	. .	....	....	....	23.5	33.2	....	43.3	....	53.4	3.3	....	....	....
L. 4989	. .	....	....	....	....	....	....	....	....	43.5	1.5	23.3	....	....
L. 5202	. .	....	....	....	44.2	2.3	11.8	20.8	29.1	38.7	57.6	....	....	....
L. 5319	. .	....	....	....	49.6	7.7	17.0	25.3	34.1	43.2	1.1	....	....	....
L. 5450	. .	....	....	16.4	38.4	55.6	5.6	13.6	22.3	31.2	....	....	....	....
α Ceti......	. .	20.4	28.5	36.6	48.5	58.5	....	9.0	....	18.8	28.9	41.2	49.4	57.8
L. 5794	. .	....	37.2	59.8	33.7	0.5	15.0	28.5	42.9	56.0	....	....	....	....
L. 6015	. .	....	....	27.1	38.4	49.0	....	59.0	....	8.7	18.9	....	....	....
L. 6099	. .	....	....	....	12.1	29.3	38.4	46.9	55.8	4.5	....	....	....	....
L. 6249	. .	....	....	....	....	27.1	....	40.0	....	52.2	4.5	19.5	....	....
L. 6353	. .	....	....	....	....	48.1	....	59.0	....	11.0	22.3	36.7	....	....
L. 6502	. .	....	....	....	49.4	3.6	....	17.6	....	31.4	45.8	....	....	....
Tauri	. .	....	....	17.5	31.4	42.5	....	54.3	....	5.5	17.4	....	....	....
η Tauri	. .	28.6	37.5	46.3	59.5	10.0	....	21.2	....	32.3	43.5	56.4	5.6	14.2
L. 7164	. .	....	....	....	38.6	49.3	....	0.1	....	10.7	22.0	....	....	....
L, 7310	. .	....	53.0	2.1	15.0	25.3	....	36.3	....	47.1	57.6	....	....	....
L. 7408.....	. .	....	....	....	5.0	24.5	34.0	44.0	53.5	3.3	....	....	....	....
L. 7565.....	. .	....	....	....	....	....	....	34.0	....	43.7	54.0	5.9	....	....
L. 7683.....	. .	....	....	....	21.8	35.0	....	48.3	....	1.9	15.1	....	....	....
ι Tauri	. .	....	....	....	....	....	....	....	....	....	59.5	12.3	20.9	29.3
α Tauri .. .	. .	....	....	....	....	....	....	....	....	....	....	38.5	46.8	55.3

W 23.8 O 11.2
W′ 5.4 O′ 29.8

α Urs. min., α Ceti } $n = - 0^s169$

$c = + 0^s446$
$m = - 0.082$

	m + α
α Ceti	— 0^m $9.^s97$
η Tauri	9.88
ι Tauri.....	9.96
α Tauri	9.87
um $3^h 51^m$	— 0 9.92

Vom 5. bis 21. December tägl. Gang: — 0^s47.

1859	Grösse	1	2	3	I	II	4	III	5	IV	V	6	7	8
Dec. 28. ☿														
Beob. H. M.														
α Ursae min. .	. .	....	....	....	....	....	....	....	....	....	....	18.0	48.0	12.0
L. 4417	. .	....	....	....	30.6	41.5	....	53.0	....	4.3	15.3	....	....	....
L. 4589	. .	....	....	....	59.5	13.9	....	28.5	....	42.9	57.5	....	....	....
L. 4799	. .	....	....	..	53.2	16.5	28.1	40.3	51.5	3.2	26.9	....	....	....
L. 4842	. .	....	....	....	50.1	2.6	....	15.0	....	27.1	39.8	....	....	....
γ Ceti	. .	34.0	42.0	50.1	1.9	12.1	....	22.1	....	32.3	42.6	54.3	2.3	10.2
L. 5255	. .	....	....	....	....	....	....	41.0	....	53.9	6.0	21.0	31.4	....
L. 5364	. .	....	....	....	25.1	39.3	....	53.3	....	7.6	21.6	....	....	....
L. 5450	. .	....	....	....	45.2	3.0	12.1	21.0	29.6	39.0	56.6	....	....	....
α Ceti	. .	....	37.0	44.5	57.1	7.1	....	17.2	....	27.2	37.3	49.3	57.4	5.8

Mittel der Fäden	Corr. des Instr.	Mikroskop I	II	III	IV	Libelle S	N	Mittel der Lesungen	Corr. wegen Libelle
h m s	s							° ′ ″	″
1 8 7.15	+ 11.09	....	....	....	....	....	....	....	......
2 26 38.02	+ 0.44	50.6	43.0	51.0	41.0	34.8	30.4	8 11 48.0	— 2.8
2 32 43.39	+ 0.44	30.8	18.8	23.2	15.2	35.3	29.8	46 38 23.4	— 3.4
2 35 25.71	+ 0.55	50.0	43.7	56.4	40.7	35.1	30.0	352 12 48.2	— 3.2
2 42 20.73	+ 0.55	22.9	18.3	29.0	12.8	35.0	30.0	351 30 21.0	— 3.1
2 46 25.51	+ 0.54	31.5	24.9	37.6	23.1	35.2	30.0	352 34 30.2	— 3.2
2 51 13.81	+ 0.55	15.8	9.5	20.7	5.1	35.1	30.1	352 21 12.9	— 3.1
2 55 8.91	+ 0.44	47.5	35.1	42.6	33.2	35.1	30.0	44 37 40.6	— 3.2
3 3 28.82	+ 0.80	47.8	43.4	52.2	40.9	34.8	30.3	339 22 47.2	— 2.9
3 7 58.92	+ 0.44	11.9	1.2	6.2	57.8	35.1	30.0	47 47 20.7	— 3.2
3 11 47.09	+ 0.54	24.5	17.3	28.4	14.9	34.3	30.8	353 6 21.6	— 2.3
3 16 39.86	+ 0.43	37.2	27.8	35.7	26.2	34.8	30.5	12 39 32.0	— 2.8
3 19 59.47	+ 0.42	6.2	56.4	4.5	54.1	35.3	30.1	18 52 0.9	— 3.2
3 25 17.63	+ 0.46	4.1	56.9	9.0	55.2	34.9	30.3	3 51 2.7	— 2.9
3 32 54.28	+ 0.42	24.6	18.1	23.2	11.8	34.9	30.2	19 7 20.2	— 3.0
3 39 21.39	+ 0.41	23.6	12.9	19.2	8.3	33.5	31.3	24 30 16.2	— 1.6
3 46 0.19	+ 0.41	54.0	45.4	51.3	39.2	35.0	30.1	26 38 48.8	— 3.1
3 50 36.32	+ 0.41	53.6	41.4	49.5	37.1	34.3	30.5	27 25 46.5	— 2.5
3 54 43.95	+ 0.58	46.0	38.5	51.1	34.4	34.7	30.5	349 16 43.6	— 2.7
3 57 33.85	+ 0.45	31.8	22.9	28.2	18.2	34.5	30.5	48 17 26.8	— 2.6
4 1 48.47	+ 0.45	0.0	48.6	58.8	48.3	34.4	30.7	6 47 55.5	— 2.4
4 20 38.26	+ 0.41	30.5	19.1	23.8	14.5	33.9	31.2	29 18 22.2	— 1.9
4 28 4.89	+ 0.42	....	....	....	....	....	....	....	......

S 35.0 N 30.0
S′ 31 5 N′ 32.0
NE = — 0.8

Uhrzeit.	Bar.	Therm. R. inn.	Therm. R. äuss.	Polpunkt
				318° 11′ 2.″6
2h 40m	27.″515	— 5.°6	— 8.°2	3.1
3 40	27.500	— 5.7	— 8.3	3.6
4 30	27.488	— 5.8	— 7.7	...
				318 11 3.1

1 7 46.31	+ 34.7	1..	....	....	....	....	....	....	......
2 16 52.99	+ 0.71	4.0	12.3	58.1	48.0	21.5	35.9	21 8 57.3	+ 6.6
2 22 28.53	+ 1.07	21.9	15.7	22.2	14.4	21.7	36.1	2 24 18 8	+ 6.8
2 26 40.07	+ 1.93	14.9	9.7	17.0	5.9	21.0	36.7	343 27 12.0	+ 7.4
2 30 14.97	+ 0.85	35.1	25.9	33.9	22.3	21.7	35.9	12 25 29.6	+ 6.7
2 36 22.19	+ 0.47	20.6	9.0	12.3	4.6	21.4	36.5	45 31 12.4	+ 7.3
2 43 41.08	+ 0.87	40.0	30.9	37.8	27.6	21.1	36.5	11 27 34.5	+ 7.3
2 47 53.45	+ 1.04	21.2	16.2	22.5	13.3	21.5	36.2	3 37 19.1	+ 6.9
2 51 21.01	+ 1.41	5.7	52.9	5.8	51.2	21.0	36.9	352 20 59.3	+ 7.5
2 55 17.18	+ 0.47	41.0	29.3	35.6	26.3	20.9	36.5	44 37 34.0	+ 7.4

1859	Grösse	1	2	3	I	II	4	III	5	IV	V	6	7	8
Dec. 28. ☿														
(Fortsetzung)		s	s	s	s	s	s	s	s	s	s	s	s	s
L. 5767	..	....	....	....	35.7	48.7	....	1.7	....	15.1	28.5	....	....	....
L. 5905	..	....	....	....	15.1	26.0	....	36.7	....	47.1	58.4	....	....	....
L. 6015	..	....	....	....	47.1	57.1	....	7.2	....	17.0	27.1	....	....	....
L. 6099	..	....	....	....	19.0	36.6	45.4	54.4	3.0	11.7	29.3	....	....	....
L. 6305	..	....	....	....	5.0	16.8	....	28.0	....	39.5	51.4	....	....	....
L. 6395	..	....	....	....	....	59.6	9.0	17.5	26.8	35.0	....	....	....	....
L. 6502	..	....	....	....	57.3	11.3	....	25.4	....	39.3	53.0	....	....	....
L. 6644	..	....	....	....	18.2	33.3	....	46.5	....	0.8	14.5	....	....	....
L 6717	..	....	....	....	....	....	....	....	....	....	....	....	....	20.0
η Tauri	..	36.8	45.8	54.5	7.0	18.3	....	29.2	....	40.2	51.4	4.8	13.5	22.2
L. 7121 ...	..	....	....	....	15.8	28.6	....	42.6	....	55.4	8.5	....	....	....
L. 7197	..	....	....	....	32.6	49.6	58.0	6.1	15.0	23.2	40.2	....	....	....
L. 7309	..	....	....	....	42.0	54.1	....	6.4	....	19.0	31.4	....	....	....
L. 7412	..	....	....	....	34.0	45.5	....	57.0	...	9.0	20.8	....	....	....
L. 7542 ...	..	....	....	....	....	....	....	5.3	....	15.2	25.3	37.1	46.0	....
L. 7561	..	....	....	....	57.2	8.4	....	21.0	....	33.2	44.8	....	....	....
o¹ Eridani ..	..	33.0	41.0	49.0	1.4	11.5	....	21.4	...	31.4	41.5	53.8	2.4	10.4
L. 8145	..	....	....	....	....	....	29.5	38.0	46.0	54.8	11.2	....	....	....
L. 8362	..	....	....	....	36.4	46.3	....	57.1	....	7.6	18.1	....	....	....
L. 8471	..	....	....	....	56.8	15.5	24.3	33.3	42.5	52.2	10.3	....	....	....
L. 8581	..	....	....	....	....	....	36.0	45.3	54.0	3.0	....	....	....	....
L. 8711	..	....	....	....	37.1	49.1	....	2.0	....	14.3	27.1	....	....	....
L. 8814	..	....	....	....	22.8	37.0	....	50.9	....	5.0	18.8	....	....	....
L. 8955	..	....	....	....	55.2	12.0	20.4	28.0	36.4	44.6	0.8	....	....	....
Eridani	..	....	....	....	....	4.5	....	14.9	....	....	35.5	48.1	....	....
L. 9253	..	....	....	....	29.7	39.5	....	49.8	....	59.7	9.6	....	....	....
L. 9388	..	....	....	....	21.1	31.2	....	42.0	....	51.4	....	....	....	....
Aurigae	..	....	....	....	....	21.1	29.0	36.2	44.0	51.0	....	....	....	....
L. 9584	..	....	....	....	56.0	8.0	....	20.0	....	31.9	43.8	....	....	....
L. 9723	..	....	....	....	58.0	9.1	....	22.0	....	33.8	45.4	....	....	....
β Orionis ...	..	19.6	27.4	35.8	48.3	58.4	....	8.5	....	18.5	28.7	40.5	49.3	57.4

W 2.2 O 25.2
W' 13.2 O'13.8

α Urs. min. } $n = +0^s.420$
β Orionis }

$c = +0^s.446$
$m = -1.013$

	$m + x$
γ Ceti	$-0^m 18^s.28$
α Ceti.....	18.30
η Tauri	18.20
o¹ Eridani ..	18.10
β Orionis...	18.18
um $3^h 41^m$	-0 18.21

Vom 21. bis 28. December tägl. Gang: — $1^s.05$.

Mittel der Fäden	Corr. des Instr.	Mikroskop I	II	III	IV	Libelle S	N	Mittel der Lesungen	Corr. wegen Libelle
h m s	s							° ′ ″	″
3 1 2.00	+ 0.94	53.3	44.7	51.7	43.2	20.5	37.0	7 46 49.3	+ 7.8
3 4 36.71	+ 0.65	23.2	13.8	20.3	9.5	20.7	37.0	25 49 17.5	+ 7.7
3 8 7.15	+ 0.45	7.2	55.5	59.8	52.5	20.4	37.1	47 48 0.7	+ 7.9
3 11 54.28	+ 1.38	13.5	6.3	17.2	3.1	20.2	37.5	353 6 10.1	+ 8.3
3 18 28.20	+ 0.75	33.6	27.0	34.2	24.0	21.2	36.5	18 44 31.3	+ 7.2
3 22 17.64	+ 1.36	29.6	21.8	34.6	18.8	21.0	36.7	353 28 27.1	+ 7.4
3 25 25.33	+ 1.03	51.5	44.8	53.0	43.2	20.2	37.2	3 50 49.9	+ 8.1
3 29 46.73	+ 1.04	44.7	38.1	44.0	35.1	20.9	36.8	3 45 40.9	+ 7.5
3 32 24.66	+ 0.74	33.1	24.8	31.5	21.1	21.0	36.7	19 10 28.5	+ 7.4
3 39 29.45	+ 0.67	15.8	5.2	10.3	0.5	21.1	36.6	24 30 8.1	+ 7.3
3 44 42.25	+ 0.95	48.5	39.7	45.6	36.5	21.1	36.5	7 15 43.0	+ 7.3
3 48 6.47	+ 1.32	47.9	42.2	52.2	39.2	21.0	36.8	354 30 45.9	+ 7.5
3 51 6.64	+ 0.85	42.8	35.9	40.6	32.3	21.1	36.5	12 33 38.3	+ 7.3
3 53 57.32	+ 0.77	53.8	44.7	50.2	40.8	21.0	36.7	17 13 48.5	+ 7.4
3 57 5.12	+ 0.40	32.3	23.0	26.2	16.7	20.8	36.9	54 28 25.5	+ 7.6
4 0 20.98	+ 0.80	22.2	12.3	17.2	8.9	20.8	37.0	15 6 15.4	+ 7.7
4 5 21.55	+ 0.40	....	....	....	....	....	....	....	.....
4 15 37.88	+ 1.31	10.8	4.6	13.3	2.5	20.4	37.1	354 54 7.9	+ 7.9
4 19 57.15	+ 0.58	53.4	42.3	48.7	38.9	20.2	37.5	32 53 47.6	+ 8.3
4 24 33.64	+ 1.47	38.0	30.0	42.8	27.2	20.2	37.6	351 10 34.9	+ 8.3
4 27 45.09	+ 1.43	49.5	43.0	53.2	39.3	20.6	37.0	351 49 47.4	+ 7.8
4 31 1.98	+ 0.86	7.8	59.5	4.6	56.3	20.6	37.0	12 11 3.4	+ 7.8
4 34 50.97	+ 1.04	36.2	30.1	37.3	28.0	20.1	37.6	3 40 33.8	+ 8.4
4 40 28.27	+ 1.27	43.4	36.3	47.3	33.8	20.1	37.7	356 1 41.3	+ 8.5
4 44 14.91	+ 0.36	54.1	45.0	45.4	35.5	20.3	37.5	62 1 46.1	+ 8.2
4 48 49.71	+ 0.48	58.1	50.6	50.3	49.2	20.4	37.2	43 42 51.3	+ 8.0
4 52 41.51	+ 0.41	16.1	5.0	6.8	59.9	20.8	37.0	52 58 7.7	+ 7.7
4 54 36.27	+ 1.14	37.5	31.3	38.2	27.9	19.8	38.0	359 49 34.7	+ 8.9
5 0 20.00	+ 0.80	36.5	27.8	32.3	23.3	20.2	37.6	15 6 30.3	+ 8.3
5 3 21.72	+ 0.80	28.0	19.9	24.1	15.8	20.0	37.7	12 27 22.3	+ 8.6
5 8 8.42	+ 0.39	29.9	17.9	20.2	13.0	20.2	37.5	56 31 21.1	+ 8.3

S 25.6 N 32.0
S′ 25.5 N′ 28.4

NE = − 1.8

Uhrzeit	Bar.	Therm. R. inn.	Therm. R. auss.
2h 40m	27.″284	+1.°7	+0.°4
3 40	27.296	+1.7	+0.3
4 10	......	.....	−0.1
5 0	27.283	+1.5	−0.3

Polpunkt
318° 11′ 2.″6
3.1
2.6
...
2.9
318 11 2.8

Resultate
der Beobachtungen am Meridiankreise.

I. Planeten- und Cometen-Positionen aus den Jahren 1856 bis 1859.

① Ceres.

Datum.			Mittl. W. Z.	Scheinb. AR.	Scheinb. Decl.	Lg. F. Par.
1859	September	13.	11h 52m 21.s3	23h 21m 41.s47	—21° 21′ 18.″5	0.904
»	»	20.	11 18 48.7	23 15 53.11	—21 48 23.8	0.906
»	»	21.	11 14 7.1	23 15 4.31	—21 51 30.5	0.906

② Pallas.

Datum.			Mittl. W. Z.	Scheinb. AR.	Scheinb. Decl.	Lg. F. Par.
1859	August	7.	11 43 7.6	20 46 45.38	+13 46 28.0	0.683
»	»	8.	11 38 31.0	20 45 58.83	+13 35 56.3	0.685
»	»	9.	11 33 49.2	20 45 12.86	+13 27 16.5	0.686

④ Vesta.

Datum.			Mittl. W. Z.	Scheinb. AR.	Scheinb. Decl.	Lg. F. Par.
1859	September	27.	12 42 51.0	1 7 46.44	— 5 43 11.1	0.839
»	»	29.	12 33 12.5	1 5 58.01	— 5 56 5 0	0.841
»	October	8.	11 50 6.6	0 57 34.12	— 6 48 35.0	0.845

⑤ Astraea.

Datum.			Mittl. W. Z.	Scheinb. AR.	Scheinb. Decl.	Lg. F. Par.
1857	October	20.	11 17 15.7	1 14 30.34	+ 0 2 47.1	0.804

⑥ Hebe.

Datum.			Mittl. W. Z.	Scheinb. AR.	Scheinb. Decl.	Lg. F. Par.
1857	Februar	5.	12 51 42.8	9 55 49.55	+14 29 6.1	0.675
»	»	6.	12 46 42.1	9 54 58...	+14 39 26.8	0.674
»	»	7.	12 42 1.9	9 54 0.16	+14 49 47.3	0.672
»	»	15.	12 3 6.5	9 46 34.82	+16 11 15.3	0.655
»	»	16.	11 58 25.4	9 45 39.25	+16 21 7.7	0.653
»	»	26.	11 10 10.0	9 36 47.48	+17 54 3.6	0.633
»	März	2.	10 51 33.2	9 33 36.51	+18 27 10.9	0.626
»	»	4.	10 41 50.1	9 32 7.17	+18 42 44.9	0.623
»	April	1.	8 41 4.7	9 21 11.20	+21 1 37.0	0.590
1858	Mai	15.	11 46 35.9	15 19 52.50	....	.....
»	»	18.	11 31 53.7	15 17 7.58	....	.....
1859	October	8.	12 45 30.0	1 53 44.03	—15 44 17.6	0.886

⑦ Iris.

Datum.			Mittl. W. Z.	Scheinb. AR.	Scheinb. Decl.	Lg. F. Par.
1858	Juli	6.	13 0 12.5	19 58 52.21	—15 26 47.4	0.885
»	»	9.	12 45 30.4	19 55 57.45	—15 29 34.8	0.885

⑧ Flora.

Datum.			Mittl. W. Z.	Scheinb. AR.	Scheinb. Decl.	Lg. F. Par.
1856	Juni	22.	11 30 46.8	17 35 53.91	—19 19 32.5	0.898
1858	Februar	10.	9 43 33.9	7 6 4.18	+24 28 14.9	0.535
»	»	11.	9 39 13.3	7 5 39.43	+24 31 22.6	0.534

(9) Metis.

Datum.			Mittl. W. Z.	Scheinb. AR.	Scheinb. Decl.	Lg. F. Par.
1857	December	14.	$11^h\ 1^m 57.^s1$	$4^h 35^m 59.^s92$	+23° 31′ 25.″3	0.551
1858	Januar	8.	9 6 20.0	4 18 37.74	+24 8 2.3	0.541
»	»	9.	9 2 10.4	4 18 24 05	+24 8 48.5	0.541
1859	April	26.	12 10 32.4	14 28 11.35	— 9 39 8.0	0.860

(11) Parthenope.

Datum.			Mittl. W. Z.	Scheinb. AR.	Scheinb. Decl.	Lg. F. Par.
1857	Februar	16.	12 48 37.4	10 36 11.36	+12 31 29 6	0.697
»	»	26.	12 0 19.6	10 27 5.78	+13 40 28.9	0.684
»	März	3.	11 36 8.7	10 22 33.59	+14 12 48.6	0.679
»	»	4.	11 31 14.0	10 21 40.26	+14 19 3.4	0.677
»	April	1.	9 23 2.7	10 3 25.80	+16 13 19.3	0.655
1858	Juni	30.	11 59 0.9	18 33 51.24	—19 26 31.5	0.898
»	Juli	9.	11 15 0.1	18 25 12.25	—19 55 49.7	0.900
1859	December	17.	10 32 35.3	4 16 38.77	+15 24	.....

1857 Februar 16. Rectascension minder sicher.

(12) Victoria.

Datum.			Mittl. W. Z.	Scheinb. AR.	Scheinb. Decl.	Lg. F. Par.
1857	August	24.	11 11 14.0	21 23 44.04	+ 3 39 39.0	0.778
»	»	25.	11 6 37.6	21 23 3.43	+ 3 33 2.8	0.779
»	»	31.	10 39 25.1	21 19 25.85	+ 2 49 51.7	0.784

(14) Irene.

Datum.			Mittl. W. Z.	Scheinb. AR.	Scheinb. Decl.	Lg. F. Par.
1859	März	10.	13 43 41.3	12 56 17.54	+11 44 18 5	0.706
»	»	21.	12 52 34.5	12 48 24.45	+12 54 17.8	0.703
»	»	23.	12 43 4.5	12 46 46.04	+13 5 10.4	0.691
»	»	28.	12 19 10.9	12 42 30.69	+13 29 3.9	0.686
»	»	29.	12 14 22.7	12 41 38.75	+13 33 5.5	0.685
»	April	1.	11 59 58.8	12 39 2 18	+13 43 51.1	0.684
»	»	7.	11 31 17.9	12 33 55.91	+13 58 20.9	0.681

(15) Eunomia.

Datum.			Mittl. W. Z.	Scheinb. AR.	Scheinb. Decl.	Lg. F. Par.
1856	October	21.	10 35 38.8	0 37 39.95	+27 25 53.9	0.480
»	»	22.	10 30 57.1	0 36 54.16	+27 18 47.6	0.482
»	»	27.	10 7 49.8	0 33 25.89	+26 40 32.0	0.494
»	»	28.	10 3 17.2	0 32 49.10	+26 32 30.4	0.497
1858	Februar	17.	12 27 9.9	10 17 42.89	— 1 48 30 5	0.816
»	»	18.	12 22 17.1	10 16 45.88	— 1 46 25.5	0.816
»	»	23.	11 57 52.5	10 12 0 02	— 1 33 28.9	0.815
»	»	24.	11 53 0.0	10 11 3.31	— 1 30 37 4	0.814
»	»	26.	11 43 15.8	10 9 10.56	— 1 24 35.5	0.813
»	März	10.	10 45 38.4	9 58 42.37	— 0 42 58 3	0.809
»	»	20.	10 0 21.3	9 52 43 42	— 0 6 31.1	0.805

1856 October 21. Declination unsicher.

(16) Psyche.

Datum.			Mittl. W. Z.	Scheinb. AR.	Scheinb. Decl.	Lg. F. Par.
1857	März	3.	11 20 44.6	10 7 7.23	+11 51 41.1	0.704
»	»	4.	11 16 5.4	10 6 22.69	+11 56 34.6	0.703
»	April	1.	9 11 0.7	9 51 39.22	+13 34 14 6	0.685
1859	August	8.	10 51 14.2	19 58 16.94	—18 31 42 1	0.895
»	»	9.	10 46 11.6	19 57 33.11	—18 35 3.2	0.896

(18) Melpomene.

Datum.			Mittl. W. Z.	Scheinb. AR.	Scheinb. Decl.	Lg. F. Par.
1856	October	21.	12h35m 3.s6	2h37m24.s57	− 5° 7′47.″6	0.836
»	»	22.	12 30 23.7	2 36 40.14	− 5 16 56.8	0.837
»	»	28.	12 2 11.7	2 32 3.66	− 6 5 12.5	0.842
»	December	17.	8 30 3.2	2 16 27.67	− 4 1 39.1	0.830
1858	März	20.	12 15 20.9	12 8 5.12	+ 7 36 52.5	0.745
»	»	31.	11 22 24.0	11 58 21 65	+ 9 6 14.4	0.731
1859	Juli	2.	11 56 51.7	18 38 34.63	− 8 54 36.4	0.856
»	»	3.	11 51 54.4	18 37 32.61	− 8 58 34.8	0.857
»	»	10.	11 17 8.9	18 30 18.89	− 9 31 34.9	0.859
»	»	16.	10 47 40.0	18 24 25.07	−10 5 49.4	0.862
»	»	17.	10 42 48.7	18 23 28.87	−10 12 5.6	0.862

1856 October 21. Declination minder sicher.

(19) Fortuna.

Datum.			Mittl. W. Z.	Scheinb. AR.	Scheinb. Decl.	Lg. F. Par.
1858	Februar	18.	13 11 39.5	11 6 16.42	+ 3 42 10.1	0 777
»	»	23.	12 47 37.6	11 1 53.33	+ 4 9 24.3	0.774
»	»	24.	12 42 47.7	11 0 59.19	+ 4 16 31.6	0.773
»	März	10.	11 34 57.9	10 48 10.03	+ 5 41 35.4	0.761
»	»	20.	10 47 19.5	10 39 49.26	+ 6 38 26.3	0.753

1858 Februar 23. Declination minder sicher.

(20) Massalia.

Datum.			Mittl. W. Z.	Scheinb. AR.	Scheinb. Decl.	Lg. F. Par.
1856	October	21.	12 46 54.1	2 49 16.96	+16 2 37.1	0.657
»	»	28.	12 13 3.0	2 42 56.23	+15 31	.....
»	November	19.	10 25 57.7	2 22 17.48	+13 43 25.5	0.634
1858	April	15.	12 26 1.4	14 1 17.84	−12 17 44.7	0.872
»	»	16.	12 21 9.0	14 0 21.16	−12 12 22.8	0.871
»	»	19.	12 6 30.6	13 57 30.03	−11 56 0.8	0.870
»	»	20.	12 1 37.8	13 56 32.94	−11 50 33.8	0.870
1859	August	9.	11 26 38.6	20 38 4.77	−17 24 46.1	0.892

(21) Lutetia.

Datum.			Mittl. W. Z.	Scheinb. AR.	Scheinb. Decl.	Lg. F. Par.
1859	Juli	10.	12 15 52.8	19 29 12.33	−24 46 44.6	0.913
»	»	17.	11 41 35.9	19 22 25.82	−25 13 43.5	0.914
»	»	21.	11 21 46.6	19 18 38.11	−25 27	.....

(22) Calliope.

Datum.			Mittl. W. Z.	Scheinb. AR.	Scheinb. Decl.	Lg. F. Par.
1859	März	10.	13 21 38.2	12 34 10.81	+16 59 3.9	0.645
»	»	29.	11 51 5.3	12 18 17.58	+18 12 20.3	0.629
»	April	1.	11 36 46.3	12 15 45.96	+18 18 14.7	0.628

(23) Thalia.

Datum.			Mittl. W. Z.	Scheinb. AR.	Scheinb. Decl.	Lg. F. Par.
1856	October	22.	11 30 16.9	1 36 23.57	− 2 4 56.3	0.818
»	»	28.	11 0 51.3	1 30 33.09	− 2 15 46.1	0.819
1858	April	16.	11 43 52.2	13 22 58.20	+ 5 4 17.5	0.766
»	»	20.	11 24 25.1	13 19 14.19	+ 5 4 42.2	0.766

(24) Themis.

Datum.			Mittl. W. Z.	Scheinb. AR.	Scheinb. Decl.	Lg. F. Par.
1858	Januar	9.	11 49 38.9	7 6 20.04	+23 46 18.2	0.546

(26) Proserpina.

Datum.			Mittl. W. Z.	Scheinb. AR.	Scheinb. Decl.	Lg. F. Par.
1857	März	4.	12 47 27.8	11 37 50.46	+ 7 45 28.5	0.743
1859	November	3.	11 50 52.3	2 41 4.68	+15 16 53.3	0.666

Datum.			Mittl. W. Z.	Scheinb. AR.	Scheinb. Decl.	Lg.F.Par.
			(27) Euterpe.			
1858	Februar	11.	$12^h 10^m 19.^s3$	$9^h 37^m 10.^s21$	+16° 36′ 54.″4	0.650
»	»	12.	12 5 24.3	9 36 10.93	+16 42 24.4	0.649
»	»	17.	11 40 53.0	9 31 18.37	+17 8 31.8	0.644
»	»	18.	11 36 0.9	9 30 22.06	+17 13 23.5	0.642
»	»	23.	11 11 55.4	9 25 55.34	+17 35 47.4	0.641
»	»	24.	11 7 9.9	9 25 5.66	+17 39 49.9	0.640
»	»	26.	10 57 43.1	9 23 30.45	+17 47 25.5	0.635
			(28) Bellona.			
1859	April	27.	12 16 41.4	14 38 17.97	− 0 42 4.8	0.809
			(29) Amphitrite.			
1856	December	2.	10 59 55.2	3 47 34.82	+29 55 52.8	0.426
1858	März	20.	12 34 33.9	12 27 21.36	− 4 34 0.6	0.833
»	»	31.	11 41 3.6	12 17 4.26	− 3 54 25.0	0.829
1859	Juli	10.	12 3 15.5	19 16 30.69	−31 38 11.1	0.926
			(30) Urania.			
1858	October	7.	11 49 39.4	0 54 47.22	+ 9 54 46.9	0.723
»	»	8.	11 44 48.2	0 53 51.73	+ 9 49 39.6	0.725
»	»	14.	11 15 45.4	0 48 23.54	+ 9 18 4.7	0.729
			(34) Circe.			
1857	October	20.	11 59 9.4	1 56 30.90	+ 8 13 57.6	0.739
			(37) Fides.			
1857	März	3.	12 1 58.4	10 48 27.83	+10 4 21.1	0.722
»	»	4.	11 57 18.4	10 47 32.60	+10 8 37.2	0.722
			(39) Laetitia.			
1858	September	13.	12 37 26.3	0 8 4.65	− 5 17 5.0	0.837
»	»	14.	12 32 50.2	0 7 24 41	− 5 26 48.6	0.838
»	»	15.	12 28 13.8	0 6 43.78	− 5 36 40.4	0.839
»	October	7.	10 46 45.7	23 51 43.17	− 8 49 59.3	0.856
»	»	8.	10 42 14.2	23 51 7.44	− 8 57 2.4	0.857
»	»	14.	10 15 26.3	23 47 54.46	− 9 34 51.7	0.859
»	»	16.	10 6 39.1	23 46 58.97	− 9 45 38 9	0.861
			(40) Harmonia.			
1859	Februar	21.	11 24 14.4	9 29 26.28	+20 45 45.8	0.594
»	März	10.	10 3 45.4	9 15 45.53	+21 47 3.3	0.578
			(42) Isis.			
1856	Juni	27.	9 16 58.9	15 41 26.86	−17 5 31.2	0.891
			(44) Nysa.			
1858	September	14.	10 7 39.3	21 41 49.61	−16 3 53.5	0.887
			(57) Mnemosyne.			
1859	September	27.	11 37 10.3	0 1 57.26	+ 7 26 14.3	0.746
			Comet IV. 1858.			
1858	Juni	4.	12 4 58.8	4 57 3.97	+52 13 7.4	0.926
»	»	5.	12 16 58.2	5 13 11.92	+51 50 31.1	0.927
»	»	8.	12 48 36.8	5 56 44.97	+49 49 23.1	0.929
»	»	9.	12 57 17.5	6 9 24.71	+48 55 19.4	0.930
»	»	11.	13 11 55.7	6 31 55.40	+46 53 27.7	0.931

II. Mittlere Positionen von Fixsternen bezogen auf den Anfang des Beobachtungsjahres.

Nr.	Grösse	Rectascension	Jährliche Praecession	Declination	Jährliche Praecession	Zahl der Beob.	Epoche 1800 +
		Mittlere Orte 1850.0					
1	8	$14^h\ 24^m\ 41^s.54$	+ $3^s.004$	+ $4^\circ\ 48'\ 28''.6$	− $16''.18$	2	50.42
2	7.8	14 25 25.01	+ 2.995	+ 4 19 22.6	− 16.15	2	50.41
		Mittlere Orte 1851.0					
1	....	2 10 33.98	+ 3.187	+ 9 9 30.1	+ 16.89	1	51.96
2	....	2 12 55.91	+ 3.191	+ 9 19 15.4	+ 16.77	2	51.88
3	....	2 27 36.25	+ 3.222	+ 10 39 43.1	+ 16.03	2	51.93
4	9	9 28 10.08	+ 3.453	+ 24 57 50.8	− 15.81	3	51.15
5	....	9 32 11.13	+ 3.442	+ 24 46 36.2	− 16.03	2	51.22
6	7	13 39 34.48	+ 3.000	+ 7 6 5.5	− 18.19	3	51.37
7	7.8	13 42 2.28	+ 2.999	+ 7 5 15.0	− 18.10	1	51.43
8	8	14 40 47.68	+ 3.169	− 6 29 0.4	− 15.32	1	51.38
		Mittlere Orte 1852.0					
1[1])	....	0 13 38.31	+ 3.122	+ 32 53 31.0	+ 20.06	1	53.00
2	....	0 30 3.43	+ 3.093	+ 7 12 23.4	+ 19.88	1	53.00
3	....	0 52 56.23	+ 3.123	+ 9 44 9.4	+ 19.52	2	52.82
4	9	1 22 46.59	+ 3.902	+ 60 21 53.4	+ 18.76	1	52.94
5	9.10	1 34 22.27	+ 3.171	+ 10 36 7.0	+ 18.39	2	52.93
6	....	1 41 58.31	+ 3.298	+ 21 32 17.7	+ 18.10	2	52.94
7	9.10	2 27 59.93	+ 3.247	+ 12 22 8.2	+ 16.02	1	52.94
8	....	3 3 29.53	+ 3.735	+ 34 46 13.5	+ 13.99	2	52.94
9	9	3 26 28.99	+ 3.427	+ 18 48 48.1	+ 12.45	2	52.93
10	9	3 36 20.16	+ 3.431	+ 19 21 34.7	+ 11.76	2	52.93
11	7.8	3 49 50.35	+ 3.963	+ 38 23 31.3	+ 10.81	2	52.93
12	8	4 26 31.66	+ 3.377	+ 16 53 18.5	+ 7.95	2	52.96
13	9	4 32 36.52	+ 3.537	+ 20 37 12.7	+ 7.46	1	52.98
14	9.10	4 42 23.06	+ 3.384	+ 13 57 30.0	+ 6.66	2	52.96
15	8	4 52 29.77	+ 3.688	+ 25 44 44.3	+ 5.82	2	52.94

Nr.	Grösse	Rectascension	Jährliche Praecession	Declination	Jährliche Praecession	Zahl der Beob.	Epoche 1800 +
		h m s	s	° ′ ″	″		
16	9	4 54 19.38	+ 3.684	+25 33 13.1	+ 5.66	2	52.99
17	9.10	5 46 57.59	+ 3.661	+23 50 40.7	+ 1.22	2	52.99
18	9	13 56 29.22	+ 1.503	+67 28 18.2	— 17.52	1	52.94
19	9	14 0 45.73	+ 1.149	+70 44 2.8	— 17.34	1	52.94
20	9.10	14 40 25.71	+ 2.301	+41 46 13.5	— 15.34	2	52.44
21	....	14 46 41.89	+ 3.177	— 6 47 33.7	— 15.07	2	52.43
22	....	15 38 2.60	+ 3.377	—15 41 37.5	— 11.65	2	52.43
23	....	16 13 33.30	— 0.329	+70 58 21.4	— 8.98	1	52.43
24	....	18 6 46.23	+ 3.662	—23 51 3.2	+ 0.60	2	52.63
25	....	22 10 3.19	— 1.284	+81 56 13.3	+ 17.79	2	52.81
26	....	22 22 35.43	— 1.972	+83 45 43.7	+ 18.27	2	52.81
27	....	22 24 4.83	— 0.434	+81 11 16.8	+ 18.32	2	52.81
28	....	22 29 17.55	— 2.100	+84 18 32.1	+ 18.50	2	52.81
29	....	23 26 51.37	+ 3.060	+ 4 39 13.4	+ 19.85	2	52.97
30	9.10	23 37 44.65	+ 3.061	+ 4 17 45.5	+ 19.96	3	52.93
31	....	23 47 16.30	+ 3.072	— 1 6 12.3	+ 20.02	2	52.81
32	....	23 54 4.74	+ 3.068	+ 4 32 53.9	+ 20.04	2, 3	52.82
33	8	23 55 33.53	+ 3.048	+41 55 38.5	+ 20.04	2	52.94
34	8	23 58 34.73	+ 3.060	+43 14 37.8	+ 20.05	1, 2	52.94
35	9.10	23 59 37.58	+ 3.071	+ 5 23 50.5	+ 20.06	2, 3	52.93

Mittlere Orte 1853.0

Nr.	Grösse	Rectascension	Jährliche Praecession	Declination	Jährliche Praecession	Zahl der Beob.	Epoche 1800 +
1	8	0 4 34.71	+ 3.092	+39 4 59.8	+ 20.04	1	53.81
2	8	0 31 21.99	+ 3.093	+ 7 6 23.7	+ 19.87	1	53.81
3	10	0 58 32.80	+ 3.461	+49 3 43.1	+ 19.41	1	53.81
4	7	1 33 59.37	+ 4.020	+60 40 39.3	+ 18.39	1	53.82
5	9	2 9 41.38	+ 3.131	+ 4 50 8.5	+ 16.92	2	53.92
6	8	2 18 15.47	+ 3.139	+ 5 6 31.1	+ 16.51	2	53.81
7*)	8	2 22 57.45	+ 4.268	+56 53 11.9	+ 16.28	2	53.87
8	6	2 28 1.48	+ 3.158	+ 6 10 57.0	+ 16.01	2	53.81
9	9	2 28 13.44	+ 3.246	+12 17 55.7	+ 16.01	2	53.82
10	8	2 35 41.55	+ 3.309	+15 28 47.0	+ 15.60	2	53.81
11	9	2 47 28.13	+ 3.189	+ 7 32 11.7	+ 14.93	2	53.81
12	10	2 53 7.49	+ 4.264	+52 28	....	1,0	53.47
13	8	2 59 34.22	+ 3.796	+34 53 28.5	+ 14.20	2	53.81
14	9	3 5 41.29	+ 3.373	+17 20 6.4	+ 13.83	1	53.82
15	8	3 11 58.78	+ 3.420	+19 20 8.2	+ 13.42	1	53.82
16	8	3 15 58.00	+ 3.444	+20 16 38.6	+ 13.16	1	53.82
17	9	3 27 18.92	+ 3.498	+22 7 0.9	+ 12.39	1	53.82
18	9	3 54 47.53	+ 3.592	+24 32 7.9	+ 10.42	1	53.82
19	9	4 1 42.96	+ 3.612	+24 58 23.4	+ 9.89	1	53.82
20	9	4 10 26.52	+ 3.647	+25 52 35.8	+ 9.22	1	53.82

Nr.	Grösse	Rectascension	Jährliche Praecession	Declination	Jährliche Praecession	Zahl der Beob.	Epoche 1800 +
		h m s	s	° ′ ″	″		
21	9	4 32 39.84	+ 3.537	+20 37 22.3	+ 7.46	1	53.01
22	....	4 39 3.67	+ 3.765	+28 58 14.7	+ 6.94	2	53.15
23	....	4 39 5.51	+ 3.781	+29 30 23.1	+ 6.93	2	53.15
24	....	11 2 35.31	+ 3.112	+ 7 6 7.9	— 19.43	1	53.34
25	....	11 3 4.87	+ 3.760	+64 29 4.3	— 19.44	1	53.34
26	9.10	11 26 40.20	+ 3.156	+23 41 54.0	— 19.84	2	53.22
27	....	11 59 52.25	+ 3.071	+20 13 19.1	— 20.05	1	53.36
28	....	12 52 6.59	+ 2.631	+55 32 3.5	— 19.99	1	53.39
29	....	12 55 8.48	+ 2.758	+44 31 4.9	— 19.48	1	53.40
30	...	12 55 21.35	+ 2.759	+44 15 13.2	— 19.47	1	53.35
31	9.10	13 1 51.70	+ 2.739	+42 55 6.2	— 19.32	1	53.35
32	....	13 2 45.51	+ 2.767	+40 1 7.3	— 19.31	1	53.40
33	7.8	13 9 19.39	+ 1.707	+73 34 44.4	— 19.14	2	53.81
34	8	13 52 22.55	+ 1.653	+66 4 46.2	— 17.70	1	53.40
35	7.8	13 54 46.74	+ 1.575	+66 48 54.4	— 17.60	1	53.39
36	9	13 59 1.62	+ 1.430	+67 48 13.8	— 17.37	1	53.40
37	....	14 9 24.73	+ 3.134	— 5 3 20.6	— 16.94	3	53.43
38[5])	....	14 18 2.06	+ 1.842	+58 20 43.9	— 16.52	1	53.39
39	....	14 35 29.72	+ 2.336	+41 11 45.2	— 15.61	3	53.40
40	....	14 40 28.08	+ 2.301	+41 46 0.0	— 15.34	1	53.46
41	....	14 50 33.90	+ 2.213	+43 27 15.2	— 14.75	2	53.45
42	....	14 56 40.70	+ 3.253	—11 5 15.5	— 14.39	3	53.43
43	....	15 0 36.38	— 4.770	+83 6 42.6	— 14.15	2	53.02
44	....	15 14 46.29	+ 3.259	—10 40 30.5	— 13.26	1	53.45
45	....	15 15 2 45	+ 3.209	— 7 54 5.1	— 13.25	2	53.46
46	8.9	15 15 12.56	+ 3.247	— 9 57 6.8	— 13.21	2	53.48
47	7	15 16 14.08	+ 3.245	— 9 47 23.6	— 13.14	2	53.50
48	....	15 19 40.94	+ 3.115	— 2 31 14.5	— 12.94	2	53.45
49	10	15 20 41.88	+ 3.124	— 2 59 43.6	— 12.84	1, 2	{53.47 / 53.48
50	....	15 24 18.26	+ 3.252	— 9 56 1.5	— 12.62	2	53.45
51	6	15 26 8.84	+ 3.247	— 9 33 25.0	— 12.47	2	53.48
52	6	15 35 48.36	+ 3.365	—15 12 0.2	— 11.77	2	53.48
53	....	15 35 58.11	+ 3.268	—10 22 31.5	— 11.81	2	53.46
54	9	15 38 6.18	+ 3.377	—15 41 49.7	— 11.63	2	53.50
55	....	15 41 57.55	+ 3.276	—10 36 31.5	— 11.38	2	53.46
56	10	15 46 12.83	+ 2.276	—10 23 55.6	— 11.05	1	53.49
57	9.10	15 48 27.35	+ 3.282	—10 39 39.1	— 10.89	2	53.48
58	....	15 48 35.70	+ 3.279	—10 32 53.9	— 10.89	3	53.46
59	8.9	15 49 4.98	+ 3.278	—10 27 22.8	— 10.84	2, 3	{53.52 / 53.51
60	9.10	15 57 33.67	+ 1.097	+59 4 46.0	— 10.22	3	53.51
61	....	16 13 32.06	— 0.394	+70 58 22.5	— 8.98	3	53.51
62	7	16 14 48.49	+ 0.985	+60 6 46.8	— 8.89	2	53.52

Nr.	Grösse	Rectascension	Jährliche Praecession	Declination	Jährliche Praecession	Zahl der Beob.	Epoche 1800 +
		h m s	s	° ′ ″	″		
63	....	16 17 0.83	+ 3.115	— 2 8 39.2	— 8.74	3	53.53
64	....	16 19 47.13	+ 2.828	+11 19 37.3	— 8.52	2	53.52
65	9	16 51 44.85	+ 3.619	—23 17 19.0	— 5.88	3	53.51
66	8	17 3 56.13	+ 3.172	— 4 27 20.4	— 4.86	2, 3	{53.46 53.47
67	....	17 46 12.53	+ 0.886	+58 34 56.3	— 1.21	3	53.51
68	9	17 53 11.96	+ 3.464	—16 26 1.5	— 0.60	2	53.53
69	9	18 6 7.20	+ 3.666	—24 2 8.5	+ 0.53	2	53.50
70	9	18 6 49.77	+ 3.661	—23 50 58.0	+ 0.61	2	53.57
71	9	18 8 51.04	+ 3.645	—23 19 28.7	+ 0.77	2	53.58
72	9.10	18 10 2.17	+ 1.255	+53 39 29.5	+ 0.87	1	53.49
73	9	18 23 53.44	+ 3.614	—22 14 8.2	+ 2.09	5	53.52
74	....	18 29 6.05	+ 3.593	—21 30 51.0	+ 2.53	3	53.53
75	....	18 49 27.34	+ 3.562	—20 36 49.9	+ 4.29	3	53.63
76	....	18 55 59.02	+ 3.394	—13 59 32.0	+ 4.84	1	53.59
77	....	19 2 37.98	+ 3.353	—12 22 38.9	+ 5.41	1	53.65
78	....	19 27 33.47	+ 3.245	— 7 46 38.5	+ 7.46	3	53.63
79	8	19 37 47.47	+ 3.559	—21 52 32.2	+ 8.30	2	53.54
80	8	19 42 10.65	+ 3.378	—14 17 24.2	+ 8.64	2	53.48
81	9	20 5 38.49	+ 3.543	—22 29 41.5	+ 10.45	3	53.65
82	9.10	21 27 6.38	+ 3.209	— 9 29 35.0	+ 15.75	2	53.54
83	9	21 42 50.67	+ 3.183	— 8 28 11.1	+ 16.56	2	53.58
84	....	21 43 15.24	+ 3.185	— 8 35 37.1	+ 16.57	5	53.81

Mittlere Orte 1854.0

Nr.	Grösse	Rectascension	Jährliche Praecession	Declination	Jährliche Praecession	Zahl der Beob.	Epoche 1800 +
1	9	0 31 34.58	+ 3.093	+ 6 46 28.3	+ 19.86	1	54.71
2	....	1 4 23.64	+ 3.063	— 1 13 22.8	+ 19.29	2	54.89
3	....	1 8 27.10	+ 3.184	+16 3 25.8	+ 19.16	2	54.72
4	....	1 20 1.31	+ 3.054	— 1 57 19.2	+ 18.85	3	54.81
5	....	2 9 41.18	+ 3.300	+17 46 31.2	+ 16.93	2	54.96
6	....	5 28 23.88	+ 5.415	+60 32 7.6	+ 2.76	1	54.48
7	....	5 45 35.01	+ 5.415	+60 21 22.7	+ 1.25	2	54.48
8	9.10	8 38 33.18	+ 4.521	+54 38 17.2	— 12.79	2	54.70
9	10	8 42 31.05	+ 4.481	+54 16 52.2	— 13.06	2	54.70
10	9.10	8 44 15.02	+ 4.433	+53 30 17.2	— 13.17	2	54.71
11	9	10 10 6.25	+ 3.590	+40 2 25.7	— 17.78	2	54.25
12	9	10 21 45.47	+ 3.512	+38 28 27.6	— 18.24	2	54.25
13	....	10 48 55.63	+ 3.366	+35 58 38.2	— 19.10	2	54.24
14	8	10 51 21.70	+ 3.204	+18 36 31.2	— 19.15	2	54.25
15	9	11 29 1.26	+ 3.148	+23 11 47.9	— 19.87	3	54.24
16	9	11 47 1.03	+ 3.105	+24 37 28.2	— 20.02	2	54.25
17	10	11 58 25.09	+ 3.074	+20 15 48.9	— 20.05	1	54.25
18	....	11 59 13.13	+ 3.075	+ 8 19 0.6	— 20.06	7, 6	54.26
19	8.9	12 23 13.68	+ 3.052	+ 7 55 44.3	— 19.95	2	54.25
20	8.9	12 26 54.95	+ 3.051	+ 7 11 22.8	— 19.92	2	54.25

Nr.	Grösse	Rectascension	Jährliche Praecession	Declination	Jährliche Praecession	Zahl der Beob.	Epoche 1800 +.
		h m s	s	° ′ ″	″		
21	9	13 37 36.82	+ 3.166	− 9 47 1.8	− 18.26	2	54.25
22	....	13 37 38.82	+ 3.166	− 9 47 41.8	− 18.26	2	54.26
23	7	15 35 51.83	+ 3.365	−15 12 12.5	− 11.79	2	54.43
24	9	16 16 25.86	+ 1.017	+59 37 37.4	− 8.77	2	54.43
25	8	20 33 2.17	+ 3.410	−17 53 35.2	+ 12.40	3	54.73

Mittlere Orte 1855.0

Nr.	Grösse	Rectascension	Jährliche Praecession	Declination	Jährliche Praecession	Zahl der Beob.	Epoche 1800 +.
1	....	0 36 53.75	+ 3.197	+ 3 19 43.7	+ 19.80	2	55.81
2	....	1 55 32.18	+ 3.196	+10 57 11.1	+ 17.57	1	55.90
3	....	2 5 3.55	+ 3.208	+11 10 35.7	+ 17.14	1	55.90
4	....	9 14 49.02	+ 4 155	+50 53 47.1	− 15.07	2	55.20
5	....	10 48 59.12	+ 3.366	+35 58 15.8	− 19.10	2	55.21
6	....	11 44 6.81	+ 3.893	+11 41 42.9	− 20.00	2	55.36
7	...	11 59 15.41	+ 3.071	+ 8 18 39.6	− 20.05	2	55.35
8	....	12 51 36.36	+ 3.118	− 9 3 29.5	− 19.55	3	55.35
9	....	13 27 30.24	+ 3.125	− 6 13 23.5	− 18.61	3, 2	{55.35 55.34
10	....	13 30 4.87	+ 3.124	− 5 54 38.7	− 18.53	3	55.35

Mittlere Orte 1856.0

Nr.	Grösse	Rectascension	Jährliche Praecession	Declination	Jährliche Praecession	Zahl der Beob.	Epoche 1800 +.
1	....	0 12 0.50	+ 3.076	+ 4 9 8.1	+ 20.03	1	56.82
2	....	0 12 8.24	+ 3.073	+ 1 53 39.4	+ 20.03	1	56.82
3	....	0 14 3.86	+ 3.074	+ 2 21 4.0	+ 20.02	1	56.81
4	....	0 17 44.58	+ 3.074	+ 2 0 24.3	+ 19.99	1	56.92
5	....	1 55 2.16	+ 3.196	+10 59 19.3	+ 17.58	1	56.82
6	....	1 55 35.33	+ 3.196	+10 57	....	2, 0	56 43
7	....	2 5 6.82	+ 3.208	+11 10 55.1	+ 17.14	2, 1	{56.43 56.96
8	....	2 13 17.84	+ 3.108	+ 2 53 51.4	+ 16.75	1	56.81
9	....	2 23 41.95	+ 3.109	+ 2 46 53.8	+ 16.24	1	56.81
10	....	8 20 15.83	+ 3.412	+17 19 28.9	− 11.52	3	56.25
11	....	9 55 58.67	+ 3.317	+19 38 51.4	− 17.19	4	56.25
12	....	10 4 3.81	+ 3.302	+19 38 58.0	− 17.54	4	56.25
13	9.10	10 48 18.03	+ 3.151	+10 53 25.6	− 19.08	3, 2	56.27
14	9.10	11 7 14.26	+ 3.112	+ 7 40 7.8	− 19.53	3	56.27
15	....	11 55 23.36	+ 3.068	− 5 39 48.9	− 20.05	3	56.31
16	....	12 52 39.29	+ 3.070	+ 1 59 53.9	− 19.53	1	56.32
17	....	12 53 6.62	+ 3.060	+ 2 1 30.8	− 19.52	2	56.31
18	....	16 49 28.50	+ 3.312	−10 43 48.4	− 6.07	1	56.49
19	....	17 16 54.76	+ 3.139	− 2 58 54.2	− 3.75	1	56.49
20	....	17 43 20.25	+ 2.838	+ 9 53 42.5	− 1.46	4, 3	56.58
21	....	17 45 13.09	+ 2.853	+ 9 16 26.8	− 1.29	1	56.58
22	....	22 3 35.57	+ 3.449	−30 14 32.8	+ 17.53	1	56.81
23	....	22 4 52.67	+ 3.446	−30 15 25.9	+ 17.58	1	56.82
24	....	22 44 59.44	+ 3.328	−30 59 39.0	+ 18.99	4	56.82
25	....	23 56 16.31	+ 3.070	+ 0 47 26.5	+ 20.05	1	56.82
26	....	23 57 23.88	+ 3.070	+ 0 44 9.4	+ 20.05	2	56.80

Nr.	Grösse	Rectascension	Jährliche Praecession	Declination	Jährliche Praecession	Zahl der Beob.	Epoche 1800 +
		Mittlere Orte 1857.0					
		h m s	s	° ′ ″	″		
1	....	2 4 51.78	+ 3.209	+11 12 30.8	+ 17.15	1	57.80
2	....	2 11 44.60	+ 3.225	+11 52 49.2	+ 16.83	1	57.80
3	....	2 23 42.32	+ 3.273	+14 22 46.9	+ 16.23	1	57.80
4	....	5 10 38.25	+ 3.776	+28 19 49.3	+ 4.28	1	57.95
5	....	10 54 10.53	+ 3.137	+ 9 44 48.2	— 19.23	1	57.15
6	....	11 7 41.35	+ 3.151	+14 31 46.3	— 19.54	1	57.17
7	....	18 29 31.81	+ 3.441	—15 32 34.9	+ 2.58	1	57.59
8	....	18 41 48.15	+ 2.573	+20 46 46.9	+ 3.64	1	57.57
9	....	18 43 3.90	+ 2.597	+19 52 33.8	+ 3.75	1	57.59
10	....	18 43 36.21	+ 2.590	+20 11 11.8	+ 3.80	1	57.59
11	....	20 14 26.52	+ 3.478	—16 58 21.5	+ 11.10	4	57.68
12	....	21 12 51.30	+ 2.804	+16 43 21.2	+ 14.96	1	57.79
13	....	21 18 7.74	+ 3.032	+ 2 38 35.5	+ 15.26	1	57.67
14	....	21 21 42.00	+ 3.023	+ 3 19 3.3	+ 15.46	1	57.65
15	....	21 23 56.66	+ 2.816	+16 53 26.9	+ 15.58	1	57.78
16	....	21 32 20.08	+ 2.831	+16 40 14.8	+ 16.04	1	57.79
17	....	21 36 26.11	+ 2.836	+16 44 40.1	+ 16.25	1	57.79
18	....	21 41 51.50	+ 2.845	+16 39 46.9	+ 16.52	1	57.79
19	....	21 47 17.24	+ 2.843	+17 24 5.4	+ 16.79	1	57.79
20	....	21 52 21.34	+ 2.678	+29 8 46.9	+ 17.03	2	57.74
21	....	21 58 4.41	+ 2.867	+16 47 12.4	+ 17.29	1	57.79
22	....	22 3 38.97	+ 3.451	—30 13 49.6	+ 17.53	2	57.74
23	....	22 4 55.76	+ 3.447	—30 14 30.8	+ 17.58	1	57.81
24	....	22 17 59.69	+ 2.895	+17 2 24.2	+ 18.10	1	57.79
25	....	22 37 55.39	+ 2.926	+17 16 53.0	+ 18.78	1	57.79
26	....	22 45 2.77	+ 3.330	—30 58 47.9	+ 18.99	1	57.79
27	....	22 51 1.94	+ 3 087	— 2 10 25.0	+ 19.15	1	57.79
28	....	23 2 57.53	+ 2.979	+15 46 22.5	+ 19.44	1	57.79
		Mittlere Orte 1858.0					
1	....	0 0 11.82	+ 3.071	+16 30 40.9	+ 20.05	2	58.71
2	....	0 5 43.83	+ 3.081	+15 11 27.8	+ 20.05	1	58.86
3	....	0 5 50.85	+ 3.082	+16 8 4.9	+ 20.05	1	58.80
4	....	0 7 50.17	+ 3.086	+16 54 5.3	+ 20.04	1	58.80
5	....	0 16 30.17	+ 3.103	+17 47 28.5	+ 20.00	2	58.80
6	....	0 17 14.29	+ 3.101	+16 11 30.9	+ 20.00	1	58.70
7	....	0 20 8.31	+ 3.104	+15 15 17.1	+ 19.98	2	58.80
8	....	0 20 45.13	+ 3.107	+15 55 48.6	+ 19.97	1	58.70
9	....	0 22 20.41	+ 3.112	+16 49 31.3	+ 19.96	1	58.80
10	....	0 25 7.63	+ 3.120	+18 0 44.2	+ 19.93	1	58.71

Nr.	Grösse	Rectascension	Jährliche Praecession	Declination	Jährliche Praecession	Zahl der Beob.	Epoche 1800 +
		h m s	s	° ′ ″	″		
11	...	0 25 31.82	+ 3.113	+15 22 50.7	+ 19.93	1	58.70
12	....	0 25 50.74	+ 3.119	+17 10 30.7	+ 19.93	2	58.85
13	....	0 35 27.31	+ 3.131	+15 53 8.9	+ 19.81	1	58.71
14	....	0 41 16.20	+ 3.150	+17 54 39.4	+ 19.73	1	58.71
15	....	0 41 31.31	+ 3.142	+16 10 23.2	+ 19.72	1	58.89
16	....	0 47 38.81	+ 3.152	+16 8 22.1	+ 19.62	2	58.80
17	....	0 49 55.26	+ 3.152	+15 23 19.5	+ 19.58	2	58.85
18	....	0 52 44.19	+ 3.168	+17 26 2.8	+ 19.53	1	58.71
19	....	0 52 50.56	+ 3.163	+16 26 39.3	+ 19.52	1	58.89
20	....	0 57 24.41	+ 3.164	+15 28 43.9	+ 19.43	1	58.71
21	....	1 5 17.24	+ 3.180	+16 0 35.8	+ 19.24	1	58.80
22	....	1 9 2.81	+ 3.195	+17 8 5.2	+ 19.15	1	58.80
23	....	1 14 28.17	+ 3.187	+15 2 47.0	+ 19.00	1	58.80
24	....	1 17 43.96	+ 3.196	+15 30 59.7	+ 18.91	1	58.80
25	....	1 22 13.37	+ 3.221	+17 37 11.9	+ 18.77	2	58.85
26	....	1 25 27.13	+ 3.203	+14 57 57.2	+ 18.67	2	58.85
27	....	1 27 8.56	+ 3.231	+17 44 0.3	+ 18.62	1	58.85
28	....	1 32 52.35	+ 3.235	+17 9 1.2	+ 18.43	2	58.85
29	....	1 38 46.65	+ 3.222	+15 0 4.0	+ 18.22	2	58.85
30	....	1 41 14.18	+ 3.233	+15 40 11.7	+ 18.12	1	58.80
31	...	1 49 35.87	+ 3.262	+17 7 22.4	+ 17.80	1	58.80
32	....	1 50 53.79	+ 3.249	+15 50 40.7	+ 17.75	1	58.86
33	....	1 57 57.90	+ 3.273	+16 58 7.6	+ 17.45	1	58.86
34	....	2 0 20.79	+ 3.254	+15 7 38.1	+ 17.35	1	58.86
35	....	2 5 13.58	+ 3.210	+11 11 27.8	+ 17.13	1	58.86
36	....	2 8 11.39	+ 3.265	+15 9 28.4	+ 16.99	1	58.86
37	....	2 11 48.31	+ 3.109	+ 2 52 47.9	+ 16.82	1	58.86
38	....	2 16 48.11	+ 3.274	+15 2 16.7	+ 16.58	1	58.86
39	....	2 23 46.02	+ 3.304	+16 23 2.4	+ 16.23	1	58.86
40	....	4 48 36.60	+ 3.791	+29 29 30.1	+ 6.15	1	58.02
41	....	4 55 5.62	+ 4.743	+52 28 17.9	+ 5.61	2	58.44
42	....	5 27 7.60	+ 4.726	+51 20 48.5	+ 2.87	1	58.46
43	....	6 32 8.82	+ 4.488	+46 54 42.9	— 2.80	1	58.52
44	....	10 22 16.10	+ 3.052	— 2 0 53.7	— 18.26	1	58.12
45	....	11 6 17.62	+ 3.092	+ 3 32 24.2	— 19.51	1	58.13
46	....	12 16 49.59	+ 3.063	+ 5 1 26.4	— 20.00	1	58.19
47	....	13 20 58.51	+ 3.030	+ 5 8 35.2	— 18.82	1	58.30
48	....	13 24 14.31	+ 3.033	+ 4 31 12.7	— 18.72	1	58.29
49	....	16 2 5.96	+ 3.253	— 8 49 33.8	— 9.87	2	58.46
50	....	16 5 31.82	+ 3.580	—23 24 28.5	— 9.60	1	58.46
51	....	16 15 25.34	+ 3.634	—25 4 42.6	— 8.83	1	58.38
52	....	18 44 47.15	+ 3.518	—18 48 6.4	+ 3.90	1	58.55

Nr.	Grösse	Rectascension	Jährliche Praecession	Declination	Jährliche Praecession	Zahl der Beob.	Epoche 1800 +
		h m s	s	° ′ ″	″		
53	....	20 14 48.97	+ 2.724	+17 21 22.4	+ 11.13	1	58.62
54	....	20 27 46.52	+ 2.738	+17 22 4.6	+ 12.06	1	58.62
55	....	20 44 1.66	+ 2.765	+16 55 44.0	+ 13.16	1	58.62
56	....	20 45 58.38	+ 2.757	+17 29 44.4	+ 13.29	1	58.62
57	....	20 49 26.61	+ 2.764	+17 19 25.4	+ 13.52	1	58.62
58	....	20 54 6.32	+ 2.777	+16 53 41.2	+ 13.82	1	58.62
59	....	20 54 54.63	+ 2.771	+17 17 43.5	+ 13.87	1	58.61
60	....	20 57 42.93	+ 2.781	+16 55 57.3	+ 14.04	1	58.62
61	....	21 5 24.31	+ 2.787	+17 10 58.4	+ 14.52	1	58.62
62	....	21 7 30.31	+ 2.795	+16 52 32.3	+ 14.64	1	58.61
63	....	21 8 48.32	+ 2.784	+17 34 18.7	+ 14.72	1	58.70
64	....	21 11 28.32	+ 2.788	+17 33 58.4	+ 14.88	1	58.62
65	....	21 12 33.98	+ 2.795	+17 13 43.8	+ 14.94	1	58.62
66	....	21 12 53.69	+ 2.804	+16 43 31.1	+ 14.96	1	58.62
67	....	21 16 16.73	+ 2.797	+17 27 26.3	+ 15.15	1	58.62
68	....	21 19 29.38	+ 2.801	+17 27 10.1	+ 15.34	1	58.62
69	....	21 20 24.58	+ 2.834	+15 30 48.9	+ 15.39	1	58.61
70	....	21 22 20.91	+ 2.807	+17 17 16.1	+ 15.50	1	58.62
71	....	21 24 18.15	+ 2.818	+16 49 54.6	+ 15.60	1	58.62
72	....	21 28 34.67	+ 2.843	+15 33 59.9	+ 15.84	1	58.61
73	....	21 29 30.16	+ 3.149	— 5 25 15.2	+ 15.89	3	58.82
74	....	21 32 22.47	+ 2.831	+16 40 30.7	+ 16.04	1	58.62
75	....	21 32 59.34	+ 2.822	+17 19 43.9	+ 16.07	1	58.62
76	....	21 39 0.70	+ 2.863	+15 6 21.7	+ 16.38	1	58.62
77	....	21 39 2.01	+ 2.833	+17 6 12.2	+ 16.38	1	58.87
78	....	21 42 32.27	+ 2.843	+16 54 48.9	+ 16.56	1	58.62
79	....	21 47 32.63	+ 2.844	+17 21 20.7	+ 16.80	1	58.62
80	....	21 55 48.42	+ 2.883	+15 18 14.8	+ 17.19	2	58.62
81	....	21 56 52.75	+ 2.863	+16 57 26.2	+ 17.23	1	58.62
82	....	21 58 18.41	+ 2.867	+16 47 30.5	+ 17.30	1	58.62
83	....	22 4 25.85	+ 2.874	+17 2 28.9	+ 17.56	1	58.62
84	....	22 4 59.81	+ 2.896	+15 20 33.5	+ 17.59	2	58.62
85	....	22 6 21.70	+ 2.870	+17 34 49.6	+ 17.64	1	58.70
86	....	22 8 38.38	+ 2.870	+17 53 56.4	+ 17.73	1	58.62
87	....	22 11 12.99	+ 2.900	+15 40 53.9	+ 17.84	1	58.62
88	....	22 11 59.27	+ 2.903	+15 32 53.3	+ 17.87	1	58.62
89	....	22 12 14.62	+ 2.876	+17 55 41.4	+ 17.88	1	58.70
90	....	22 17 31.08	+ 2.911	+15 32 43.8	+ 18.09	1	58.62
91	....	22 18 2.31	+ 2.895	+17 2 44.0	+ 18.10	1	58.70
92	....	22 19 55.12	+ 2.890	+17 51 40.8	+ 18.18	1	58.62
93	....	22 23 35.79	+ 2.923	+15 17 29.4	+ 18.31	2	58.62
94	....	22 26 18.37	+ 2.911	+16 51 24.0	+ 18.40	1	58.62
95	....	22 29 22.98	+ 2.922	+16 14 9.1	+ 18.51	1	58.62

Nr.	Grösse	Rectascension	Jährliche Praecession	Declination	Jährliche Praecession	Zahl der Beob.	Epoche 1800 +
		h m s	s	° ' "	"		
96	....	22 34 23.34	+ 2.938	+15 23 14.8	+ 18.68	1	58.62
97	....	22 34 38.46	+ 2.863	+23 6 23.5	+ 18.68	1	58.77
98	....	22 36 5.64	+ 2.937	+15 45 42.9	+ 18.73	1	58.80
99	....	22 36 11.03	+ 2.919	+17 44 42.6	+ 18.73	1	58.62
100	....	22 40 26.92	+ 2.932	+17 4 16.4	+ 18.86	1	58.70
101	....	22 41 32.00	+ 2.945	+15 45 34.3	+ 18.90	1	58.62
102	....	22 42 26.67	+ 2.948	+15 36 15 3	+ 18.92	1	58.62
103	....	22 45 21.01	+ 2.956	+15 7 48.2	+ 19.01	1	58.62
104	...	22 46 2.75	+ 2.950	+16 5 18.8	+ 19.02	1	58.62
105	....	22 47 35.68	+ 2.951	+16 12	....	1, 0	58.70
106	....	22 48 31.90	+ 2.947	+17 2 27.5	+ 19.09	2	58.71
107	....	22 50 23.94	+ 2.953	+16 25 37.0	+ 19.14	1	58.70
108	....	22 55 32.80	+ 2.969	+15 28 7.1	+ 19.27	1	58.62
109	....	22 55 55.86	+ 2.968	+15 41 40.8	+ 19.28	1	58.62
110	....	22 58 5.21	+ 2.965	+16 33 43.9	+ 19.33	2	58.62
111	....	23 1 6.17	+ 2.974	+16 4 4.5	+ 19.40	2	58.70
112	....	23 2 0.40	+ 2.971	+16 46 44.4	+ 19.42	1	58.80
113	....	23 3 7.04	+ 2.979	+15 45 50.8	+ 19.44	1	58.70
114	....	23 7 12.44	+ 2.988	+15 23 1 0	+ 19.53	1	58.70
115	....	23 9 15.34	+ 2.982	+17 4 21.3	+ 19.57	1	58.80
116	....	23 11 42.61	+ 2.980	+17 52 12.6	+ 19.61	1	58.80
117	....	23 12 12.80	+ 2.996	+15 23 3.3	+ 19.62	1	58.70
118	....	23 13 50.97	+ 2.993	+16 28 27.3	+ 19.65	1	58.70
119	....	23 23 23.06	+ 3.012	+15 46 53.9	+ 19.80	1	58.70
120	....	23 26 23.58	+ 3 013	+17 2 1.2	+ 19.84	1	58.70
121	....	23 28 50.27	+ 3.015	+17 38 58.4	+ 19.87	1	58.70
122	....	23 29 49.59	+ 3.023	+15 44 54.6	+ 19.88	1	58.70
123	....	23 30 28.50	+ 3.023	+16 1 22.9	+ 19 89	1	58.80
124	....	23 30 46.60	+ 3.018	+17 36 50.6	+ 19.89	2	58.70
125	...	23 35 20.47	+ 3.025	+17 52 48.2	+ 19.94	1	58.70
126	...	23 35 31.41	+ 3.033	+15 32 52.0	+ 19.94	1	58.70
127	....	23 40 19.98	+ 3.039	+16 8 57.2	+ 19.98	1	58.70
128	....	23 43 1.59	+ 3.042	+16 51 29.1	+ 20.00	1	58.70
129	....	23 46 51.97	+ 3.052	+15 6 41.5	+ 20.02	1	58.70
130	....	23 47 33.19	+ 3.049	+17 57 24 9	+ 20.03	1	58.70
131	....	23 50 16.85	+ 3.054	+17 27 34.2	+ 20.04	1	58.70
132	....	23 54 30.56	+ 3.062	+17 57 47.5	+ 20.05	1	58.70
133	....	23 55 30.47	+ 3.065	+15 18 14.9	+ 20.05	1	58.70
134	....	23 55 56.53	+ 3.065	+16 45 48.6	+ 20.05	4	58.81
135	....	23 57 30.45	+ 3.072	+ 0 44 50.7	+ 20.05	1	58.80
136	....	23 58 39.79	+ 3.070	+17 17 26.9	+ 20.05	1	58.70

Mittlere Orte 1859.0

Nr.	Grösse	Rectascension	Jährliche Praecession	Declination	Jährliche Praecession	Zahl der Beob.	Epoche 1800 +
		h m s	s	° ′ ″	″		
1	9	0 0 38.25	+ 3.070	— 5 38 22.3	+ 20.05	1	59.72
2	9.10	0 0 51.32	+ 3.072	+ 7 18 59.2	+ 20.05	1	59.84
3	7.8	0 1 34.82	+ 3.073	+ 7 14 6.3	+ 20.05	1	59.77
4	....	0 7 52.75	+ 3.086	+16 54 26.6	+ 20.04	1	59.73
5	9.10	0 10 19.43	+ 3.067	— 3 40 6.9	+ 20.03	1	59.72
6	8	0 13 50.83	+ 3.077	— 3 41 34.1	+ 20.02	4	59.80
7	8.9	0 15 53.45	+ 3.064	— 4 23 8.1	+ 20.01	1	59.72
8	8	0 16 47.23	+ 3.079	— 4 15 25.3	+ 20.00	2,3	{59.74 {59.75
9	8	0 20 48.50	+ 3 107	+15 56 11.7	+ 19.97	1	59.84
10	8	0 24 15.87	+ 3.132	+15 14 35.2	+ 19.95	1	59.73
11	8	0 25 35.44	+ 3.113	+15 23 13.6	+ 19.93	2	59.79
12	8	0 36 10.13	+ 3.134	+16 35 1.3	+ 19.80	1	59.77
13	....	0 41 19.32	+ 3.150	+17 55 2.7	+ 19.73	1	59.77
14	....	0 46 4.94	+ 3.292	+39 24 30.5	+ 19.65	1	59.89
15	8	0 52 47.58	+ 3.168	+17 26 25.6	+ 19.53	1	59.77
16	8	0 52 53.62	+ 3.163	+16 27 58.4	+ 19 52	1	59.84
17	8.9	1 0 59 60	+ 3.179	+16 54 2.2	+ 19.35	3	59.75
18	7	1 6 38.45	+ 3.178	+15 23 7.8	+ 19.21	2,1	{59.81 {59.84
19	. ..	1 8 29.70	+ 3.351	+35 15 59.3	+ 19.16	1	59.89
20	....	1 11 28.59	+ 3.487	+45 16 28.6	+ 19.08	2	59.89
21	8	1 14 38.21	+ 3.211	+17 56 33.8	+ 19.00	2	59.81
22	7.8	1 16 16.54	+ 3.206	+17 3 58.0	+ 18.95	1	59.89
23	7.8	1 17 47.19	+ 3.196	+15 31 13.7	+ 18.91	1	59.78
24	7.8	1 27 11.64	+ 3.231	+17 44 20.7	+ 18 62	2	59.83
25	8	1 31 39.79	+ 3.221	+11 54 29.8	+ 18.47	2	59.83
26	9	1 40 45.16	+ 3.054	— 1 39 42.6	+ 18.14	1	59.77
27	8.9	1 51 0.02	+ 3.239	+15 14 28.4	+ 17.75	1	59.84
28*)	9.10	1 55 45.02	+ 3.196	+10 58 25.4	+ 17.55	1	59.84
29	8.9	2 5 16.37	+ 3.210	+11 11 46.6	+ 17.13	2	59.87
30	9	2 16 51.16	+ 3.274	+15 3	....	1,0	59.84
31	8.9	3 1 15.16	+ 3.421	+20 12 13.2	+ 14.10	1	59.96
32	7.8	3 6 48.19	+ 3.435	+20 30 10.2	+ 13.74	1	59.96
33	....	3 31 15.64	+ 3.510	+22 24	....	1,0	59.96
34	7.8	3 34 0.29	+ 4.268	+48 4 15.1	+ 11.92	1	59.96
35	....	4 43 52.20	+ 2.826	—13 52 55.1	+ 6.53	1	59.99
36	....	4 54 11.76	+ 4.514	+48 21 1.6	+ 5.67	1	59.99
37	....	4 59 56.20	+ 3.912	+33 3 53.1	+ 5.18	1	59.99
38	....	6 34 24.03	+ 4.878	+53 47 15.5	— 3.00	1	59.60
39	....	6 39 35.34	+ 4.924	+54 34 23.1	— 3.45	2,1	59.54
40	....	6 41 1.19	+ 4.897	+54 12 8.5	— 3.57	1	59.60

Nr.	Grösse	Rectascension	Jährliche Praecession	Declination	Jährliche Praecession	Zahl der Beob.	Epoche 1800 +
		h m s	s	° ′ ″	″		
41	....	6 43 15.03	+ 5.028	+56 6 53.8	— 3.76	1	59.54
42	....	7 18 25.18	+ 5.801	+65 14 3.7	— 6.73	1	59.54
43	....	7 30 17.45	+ 5.951	+66 46 31.4	— 7.70	2	59.54
44	....	7 31 40.88	+ 5.998	+67 11 53.6	— 7.81	1	59.72
45	....	7 56 52.50	+ 6.336	+70 20 18.2	— 9.79	1	59.54
46 [5])	....	9 42 50.48	+ 3.337	+19 29 33.6	— 16.57	1	59.10
47	....	9 55 40.52	+ 3.154	+ 6 53 14.2	— 17.18	1	59.14
48	....	10 6 35.14	+ 3.133	+ 5 38 4.7	— 17.65	1	59.10
49	....	14 39 19.46	+ 3.082	— 0 43 18.0	— 15.40	1	59.31
50	....	15 35 31.31	+ 3.272	—10 28 9.5	— 11.82	2	59.49
51	6.7	15 54 55.72	+ 3.463	—18 56 40.7	— 10.43	1	59.49
52	....	16 2 9.19	+ 3.253	— 8 49 43.5	— 9.87	2	59.50
53	....	16 3 43.24	+ 3.579	—23 33 4.0	— 9.76	1	59.48
54	....	16 5 35.66	+ 3.580	—23 24 41.2	— 9.60	1	59.51
55	....	16 42 47.49	+ 3.540	—20 22 49.0	— 6.63	2	59.49
56	....	16 43 35.65	+ 3.548	—20 39 15.2	— 6.56	2	59.52
57	....	16 50 6.32	+ 3.551	—20 33 55.3	— 6.02	4,3	59.51
58	....	16 55 44.32	+ 1.396	+52 31 6.0	— 5.55	2,3	59.51
59	....	17 17 22.15	+ 2.096	+36 37 22.3	— 3.71	1	59.54
60	....	17 50 36.87	+ 3.813	—29 1 39.2	— 0.82	1	59.55
61	....	18 19 2.56	+ 2.725	+14 36 6.4	+ 1.67	1	59.52
62	9.10	18 21 0.04	+ 3.313	—10 18 34.9	+ 1.84	3	59.60
63	....	18 32 38.07	+ 3.287	— 9 15 55.6	+ 2.85	2	59.60
64	....	18 33 19.67	+ 3.287	— 9 16 27.5	+ 2.91	1	59.51
65	....	18 37 45.36	+ 3.263	— 8 20 44.1	+ 3.29	1	59.52
66	....	18 53 7.52	+ 2.799	+11 52 18.1	+ 4.61	1	59.54
67	....	19 9 20.37	+ 3.859	—31 42 51.7	+ 5.98	1	59.54
68	....	19 10 11.77	+ 2.747	+14 18 38.6	+ 6.05	1	59.54
69	....	19 11 21.82	+ 3.868	—32 4 28.0	+ 6.15	2	59.60
70	9.10	19 19 26.20	+ 3.848	—31 39 55.2	+ 6.82	3	59.65
71 [6])	....	19 19 26.29	+ 3.839	—31 24 48.5	+ 6.82	1	59.51
72	...	19 20 16.34	+ 3.837	—31 23 19.9	+ 6.89	1	59.60
73	...	19 33 4.67	+ 2.791	+12 51 33.6	+ 8.80	1	59.65
74	....	19 36 59.28	+ 1.611	+50 10 6.1	+ 8.24	1	59.57
75	8.9	19 54 45.67	+ 3.473	—18 55 58.7	+ 9.63	3	59.71
76	8.9	19 58 21.87	+ 3.464	—18 42 28.7	+ 9.91	2	59.71
77	8.9	20 4 8.76	+ 3.456	—18 33 36.3	+ 10.34	2,3	{59.72 59.71
78	....	20 7 39.68	+ 3.599	—24 54 36.1	+ 10.60	1	59.57
79	8.9	20 10 2.79	+ 3.454	—18 47 21.9	+ 10.79	1	59.74
80	8.9	20 12 53.50	+ 3.418	—17 16 14.0	+ 10.99	2	59.64
81	8.9	20 12 55.65	+ 3.451	—18 45 55.2	+ 11.00	2	59.66
82	....	20 13 56.98	+ 2.722	+17 21 7.8	+ 11.07	1	59.60

Nr.	Grösse	Rectascension	Jährliche Praecession	Declination	Jährliche Praecession	Zahl der Beob.	Epoche 1800 +
		h m s	s	° ′ ″	″		
83	8	20 23 9.94	+ 3.372	—15 31 27.9	+ 11.73	1	59.74
84	9	20 27 7.12	+ 2.735	+17 25 25.7	+ 12.01	3	59.69
85	7.8	20 27 49.23	+ 2.738	+17 22 18.3	+ 12.06	4	59.64
86	8.9	20 29 25.18	+ 3.329	—13 40 16.7	+ 12.71	1	59.74
87	9.10	20 38 34.47	+ 3.389	—17 12 37.1	+ 12.80	1	59.74
88	8.9	20 40 16.74	+ 3.388	—17 15 13.2	+ 12.91	1	59.72
89	8	20 40 17.11	+ 3.384	—17 2 8.1	+ 12.91	2	59.72
90	8	20 44 4.30	+ 2.765	+16 55 55.6	+ 13.16	1	59.75
91	7	20 46 1.44	+ 2.757	+17 29 58.4	+ 13.29	1	59.74
92	....	20 47 11.42	+ 2.146	+42 54 3.4	+ 13.37	1	59.66
93	9	20 48 20.91	+ 2.761	+17 19 41.2	+ 13.45	1	59.72
94	....	20 49 29.34	+ 2.764	+17 19 36.1	+ 13.52	1	59.70
95	....	20 54 9.20	+ 2.777	+16 53 57.2	+ 13.82	2	59.60
96	....	20 54 57.30	+ 2.771	+17 17 58.2	+ 13.87	2	59.65
97	8	20 56 3.94	+ 3.123	— 3 7 29.7	+ 13.94	1	59.74
98	9.10	20 56 35.34	+ 2.913	+ 9 21	....	1, 0	59.76
99	8	20 57 45.64	+ 2.781	+16 56 12.1	+ 14.04	2	59.66
100	8	21 5 27.09	+ 2.787	+17 11 13.1	+ 14.52	2	59.68
101	....	21 7 33.05	+ 2.795	+16 52 54.5	+ 14.64	2	59.65
102	9.10	21 9 18.91	+ 2.821	+15 25 3.8	+ 14.75	2	59.67
103	....	21 10 40.08	+ 2.697	+22 36 53.3	+ 14.83	1	59.66
104	9	21 11 37.92	+ 2.787	+17 34	....	1, 0	59.76
105	7.8	21 12 37.01	+ 2.795	+17 13 57.7	+ 14.94	2	59.71
106	8	21 15 22.70	+ 2.808	+16 36 45.6	+ 15 10	1	59.74
107	9.10	21 15 42.03	+ 0.526	+70 57 31.4	+ 15.12	3	59.59
108	8	21 16 19.60	+ 2.797	+17 27 42.4	+ 15.15	1	59.76
109	8	21 17 18.37	+ 3.146	— 4 56 31.4	+ 15.22	2	59.71
110	7.8	21 20 27.56	+ 2.834	+15 31 5.2	+ 15.39	2	59.76
111	7.8	21 22 23.80	+ 2.807	+17 17 32.5	+ 15.50	2	59.71
112	8.9	21 27 32.74	+ 3.002	+ 4 46	....	1, 0	59.76
113	8	21 28 37.71	+ 2.843	+15 34 17.0	+ 15.84	2	59.74
114	....	21 30 22.91	+ 3.115	— 2 58 46.5	+ 15.93	2	59.60
115	8	21 33 2.27	+ 2.822	+17 20 0.1	+ 16.07	2	59.74
116	6.7	21 37 50.29	+ 2.837	+16 42 17.9	+ 16.32	1	59.75
117	7	21 42 26.31	+ 2.847	+16 37 54.0	+ 16.55	1	59.75
118	....	21 42 35.23	+ 2.843	+16 55 5.5	+ 16.56	1	59.72
119	....	21 42 53.22	+ 3.057	+ 1 6 55.0	+ 16.57	1	59.84
120	8	21 53 47.41	+ 3.258	—15 0 5.5	+ 17.09	1	59.72
121	7.8	21 53 51.57	+ 3.275	—16 17 16.5	+ 17.10	1	59.76
122	9.10	21 56 43.76	+ 2.861	+17 1 4.8	+ 17.23	1	59.74
123	9.10	21 58 9.70	+ 2.867	+16 47 48.9	+ 17.29	1	59.76
124	8	22 4 28.92	+ 2.874	+17 2 46.7	+ 17.56	2	59.76
125	8	22 8 41.45	+ 2.870	+17 54 14.4	+ 17.73	1	59.75

Nr.	Grösse	Rectascension	Jährliche Praecession	Declination	Jährliche Praecession	Zahl der Beob.	Epoche 1800 +
		h m s	s	° ′ ″	″		
126[1])	8	22 12 59.69	+ 2.897	+16 5 21.7	+ 17.91	2	59.75
127	....	22 16 26.70	+ 2.870	+19 4 32.5	+ 18.05	1	59.66
128	7.8	22 17 34.10	+ 2.911	+15 33 1.9	+ 18.09	1	59.76
129	10	22 21 6.83	+ 2.887	+18 9 3.3	+ 18.22	1	59.86
130	9.10	22 22 2.05	+ 2.849	+21 50	....	1, 0	59.74
131	9	22 26 21.24	+ 2.911	+16 51 42.9	+ 18.40	2	59.76
132	....	22 29 26.18	+ 2.922	+16 14 23.8	+ 18.51	1	59.70
133	10	22 34 26.44	+ 2.938	+15 23 34.4	+ 18.68	1	59.87
134	10	22 37 47.75	+ 2.926	+17 10 8.8	+ 18.78	1	59.86
135	....	22 38 24.54	+ 2.935	+16 16 39.8	+ 18.80	1	59.70
136	....	22 40 29.99	+ 2.932	+17 4 35 9	+ 18.86	1	59.76
137	9.10	22 41 35.23	+ 2.945	+15 45 54.2	+ 18.90	1	59.87
138	....	22 42 29.82	+ 2.948	+15 36 35.2	+ 18.92	1	59.70
139	8	22 45 24.10	+ 2.956	+15 8 8.4	+ 19.01	1	59.87
140	7	22 46 6.07	+ 2.950	+16 5 38.0	+ 19.02	1	59.87
141	7	22 47 38.72	+ 2.951	+16 11 30.8	+ 19.07	2	59.79
142	7	22 55 35.91	+ 2.969	+15 28 27.6	+ 19.27	2	59.87
143	....	22 55 59.01	+ 2.968	+15 42 1.7	+ 19.28	1	59.70
144	....	22 58 58.28	+ 2.961	+17 19 38.3	+ 19.35	1	59.87
145	8	23 1 5.29	+ 2.883	+28 55 51.5	+ 19.40	1	59.86
146	7.8	23 2 23.86	+ 2.963	+17 58 21.2	+ 19.43	1	59.72
147	9.10	23 3 10.00	+ 2.979	+15 46 14.2	+ 19.44	2	59.79
148	9.10	23 7 15.61	+ 2.988	+15 23 26.1	+ 19.53	1	59.87
149	8	23 9 18.55	+ 2.982	+17 4 38.8	+ 19.57	1	59.72
150	8	23 11 45.45	+ 2.980	+17 52 31.5	+ 19.61	1	59.87
151	7	23 13 54.01	+ 2.993	+16 28 46.1	+ 19.65	2	59.80
152	....	23 15 46.78	+ 2.696	+55 35 21.9	+ 19.68	1	59.25
153	10	23 17 15.51	+ 2.711	+55 32 58.0	+ 19.71	2	59.79
154	....	23 17 25.80	+ 2.712	+55 32 4.5	+ 19.71	4	59.23
155	....	23 20 56.27	+ 2.753	+54 25 29.3	+ 19.76	3	59.23
156	....	23 21 19.73	+ 2.759	+54 11 54.3	+ 19.77	1	59.25
157	7.8	23 21 59.85	+ 3.012	+15 14 30.3	+ 19.78	1	59.87
158	8	23 23 26.35	+ 3.012	+15 47 13.3	+ 19.80	1	59.72
159	....	23 24 38.13	+ 2.784	+54 21 35.9	+ 19.82	1	59.22
160	....	23 24 58.99	+ 2.797	+53 21 49.3	+ 19.82	4	59.24
161	7.8	23 25 18.84	+ 3.011	+16 37 37.6	+ 19.82	1	59.73
162	7	23 26 26.60	+ 3.013	+17 2 21.8	+ 19.84	2	59.74
163	8	23 28 53.27	+ 3.015	+17 39 19.1	+ 19.87	2	59.73
164	8	23 31 28.02	+ 2.956	+34 45 5.7	+ 19.90	1	59.87
165	8	23 31 39.68	+ 2.957	+34 45 20.8	+ 19.90	1	59.87
166	8	23 36 53.81	+ 3.030	+16 44 9.1	+ 19.95	2	59.73
167	8	23 40 22.92	+ 3.039	+16 9 20.0	+ 19.98	2	59.80

Nr.	Grösse	Rectascension	Jährliche Praecession	Declination	Jährliche Praecession	Zahl der Beob.	Epoche 1800 +
		h m s	s	° ′ ″	″		
168	8.9	23 42 54.73	+ 3.042	+16 51 45.9	+ 20.00	1	59.73
169	8	23 46 55.09	+ 3.052	+15 7 1.7	+ 20.02	2	59.75
170	8	23 47 36.43	+ 3.049	+17 57 44.8	+ 20.03	2	59.80
171	8	23 50 19.98	+ 3.054	+17 27 56.6	+ 20.04	2	59.75
172	9	23 54 33.52	+ 3.062	+17 58 11.6	+ 20.05	2	59.75
173	10	23 55 55.80	+ 3.068	+ 6 10 13.4	+ 20.05	1	59.87
174	....	23 56 28.00	+ 3.069	+ 5 39 50.3	+ 20.05	1	59.75
175	....	23 58 43.04	+ 3.070	+17 17 45.9	+ 20.05	1	59.87

[1]) Die AR. unsicher.
[2]) Dplx. bor. es folgt 20″ südl. ein Stern 9.10mg.
[3]) Die Beobachtung unsicher.
[4]) Die Decl. unsicher.
[5]) Die AR. unsicher.
[6]) Die AR. unsicher.
[7]) Die AR. vielleicht 1ˢ zu gross angegeben.

III. Verzeichniss der im Jahre 1859 beobachteten Sterne der Histoire céleste.

Nr. im Katalog Lalande	Tag der Beobachtungen	Nr. im Katalog Lalande	Tag der Beobachtungen	Nr. im Katalog Lalande	Tag der Beobachtungen
29775	Juli 1.	31856	Juli 29.	32647	Juli 11.
30082	» 1.	31943	» 18., 22.	32699	» 22.
30399	» 1. [1])	32065	» 22.	32926	» 18.
30659	» 1., 11.	32159	» 1., 29.	32930	» 11.
30785	» 11.	32227	» 11., 22.	33030	» 29.
31373	» 22.	32250	» 18.	33143	» 11., 18.
31491	» 11., 29.	32460	» 18., 22.	33217	» 22., 29.
31514	» 1., 22.	32468	» 1.	33243	» 1.
31682	» 29.	32570	» 1.	33307	» 22.
31723	» 1.	32580	» 18.	33364	» 29.

Nr. im Katalog Lalande	Tag der Beobachtungen	Nr. im Katalog Lalande	Tag der Beobachtungen	Nr. im Katalog Lalande	Tag der Beobachtungen
33369	Juli 15.	36126	Juli 18., Aug. 26. 3)	39495	Aug. 26., 29.
33591	» 1., 29.	36250	Juli 29. 4)	39496	Juli 29., Aug 24.
33621	» 29.	36268	» 22.	39497	Sept. 9., 26.
33683	» 11.	36347	» 11.	39611	Juli 29.
33751	» 29.	36393	Juli 22., Aug. 26.	39620	September 26.
33846	» 1., 11.	36427	Juli 15.	39663	September 12.
33916	» 18, 22.	36479	» 29.	39687	August 29.
33940	» 15., 22. 2)	36598	» 11.	39815	Juli 29., Aug. 25.
33973	» 18.	36730	» 15., 18.	39830	Aug. 24., Sept. 26. 9)
34026	» 29.	36833	» 11., 22	39894	Aug. 29., Sept. 9.
34136	» 1.	36855	» 18.	39938	Juli 29., Sept. 26.
34162	» 18., 22.	36911	» 29.	39982	August 26.
34290	» 11., 18., 22.	36929	» 22.	40103	» 25.
34306	» 15.	37064	» 18.	40106	Juli 29.
34346	» 29.	37090	» 11., 29.	40133	Aug. 29., Sept. 9. 10)
34381	» 22.	37116	August 26.	40158	August 24.
34417	» 1.	37126	Juli 15., Sept. 9.	40167	September 12.
34552	» 18.	37144	Juli 22.	40269	Juli 29. 11)
34557	» 22.	37285	Juli 18.. Sept. 9.	40295	Aug. 25., 26.
34689	» 29.	37320	Juli 22., 29.	40389	Aug. 24.
34693	» 18., 22.	37382	Juli 11.	40483	Juli 29., Aug. 26.
34819	» 1.	37448	» 15.	40629	August 29.
34846	» 15.	37490	» 18., 22.	40642	» 25.
34860	» 22., 29.	37640	» 18. 5)	40679	September 26.
34862	» 18.	37717	August 29.	40713	August 24., 26.
35067	» 18.	37918	September 9.	40779	Juli 29.
35154	» 15.	37925	August 29.	40796	September 26. 12)
35196	» 18.	37993	Juli 29., Sept. 12. 6)	40858	August 25.
35318	» 11.	38166	Juli 22., Aug. 29. 7)	40987	Juli 29., Oct. 4.
35409	» 29.	38172	September 9.	40990	September 26.
35442	» 15.	38241	Juli 22.	41019	August 24.
35520	» 11.	38414	» 22.	41085	» 29.
35539	» 22.	38666	» 22., Sept. 9.	41115	October 4.
35656	» 29.	38729	August 29.	41147	August 25.
35828	» 15.	38768	September 9.	41254	October 4.
35837	» 29.	38927	September 9.	41294	August 24., 26.
35870	» 18., 22.	38975	August 29. 8)	41305	September 26.
35946	» 29.	39130	Juli 29., Aug. 26.	41410	» 26.
36064	» 15.	39242	September 26.	41430	October 2.
36095	» 11., 22.	39455	Aug. 29., Sept. 9.	41482	August 25., 26.

Nr. im Katalog Lalande	Tag der Beobachtungen	Nr. im Katalog Lalande	Tag der Beobachtungen	Nr. im Katalog Lalande	Tag der Beobachtungen
41553	October 4.	43133	October 28.	44803	Oct. 4., Nov. 14.
41630	Sept. 26., Oct. 3.	43145	November 3.	44903	October 3.
41654	October 4.	43201	August 29.	44904	September 26.
41678	August 25., 26.	43202	October 4.	44929	November 3.
41747	Aug. 24., Sept. 26.	43208	Sept. 26., Oct. 3.	45007	September 26.
41771	Aug. 29., Oct. 3.	43281	October 4.	45016	November 14.
41930	November 3.	43283	» 28.	45092	October 3.
41944	September 26.	43295	November 3.	45116	November 3.
41967	October 3.	43344	September 26. [15])	45191	Oct. 3., Nov. 3.
41980	» 4.	43389	August 29.	45301	October 28. [22])
42025	August 24., 29.	43414	October 3. [16])	45303	October 3.
42049	November 3.	43536	» 4., 28.	45391	November 3.
42055	September 26.	43563	» 3.	45424	» 14.
42177	October 4.	43612	Sept. 26., Oct. 4.	45500	October 28.
42233	August 24., 26.	43623	October 28.	45507	September 26.
42276	Aug. 29., Sept. 26., Oct. 3.	43741	September 26.	45517	November 3.
42324	Aug. 25., Oct. 4., Nov. 3.	43766	November 3.	45562	October 3.
42427	November 3.	43784	October 3.	45650	Nov. 3., Dec. 5.
42432	August 26.	43819	» 28.	45682	Sept. 26., Oct. 3.
42485	October 28.	43838	» 4.	45713	October 28.
42495	October 4.	43898	Sept. 26., Oct. 28., Nov. 3.	45757	November 3.
42503	Sept. 26., Oct. 3.	43901	Aug. 29., Oct. 4.	45822	Sept. 26., Oct. 3.
42552	August 29.	44007	October 4., 28.	45837	Oct. 28., Nov. 14.
42584	Aug. 25., Oct. 3.	44037	Nov. 3. [17])	45904	November 14.
42606	Aug. 26., Sept. 26.	44044	August 29.	45920	October 28.
42635	October 4.	44111	September 26.	45999	October 28.
42740	August 26.	44177	November 3.	46032	November 14.
42766	October 28.	44183	October 4.	46099	December 5.
42767	September 26.	44222	» 4., 28. [18])	46115	October 28.
42791	October 4. [13])	44296	September 26.	46130	November 14.
42798	November 3.	44442	September 26. [19])	46163	October 3.
42854	August 29.	44477	October 4.	46246	» 28.
42910	Aug. 24., Sept. 26.	44490	» 3.	46252	November 14.
42919	October 4., 28.	44534	» 4.	46254	December 5.
42923	Aug. 25., Oct. 3.	44600	Sept. 26., Oct. 3.	46394	October 3.
42939	November 3. [14])	44606	November 3., 14.	46475	October 28.
43023	September 26.	44613	October 4.	46496	» 3.
43032	Oct. 4., Nov. 3.	44684	November 14.	46523	Nov. 14., Dec. 5.
43033	Aug. 29., Oct. 28.	44708	Oct. 3., 4., Nov. 3. [20])	46564	Oct. 28., Nov. 14.
43112	October 4.	44753	Sept. 26., Oct. 28. [21])	46661	October 28.

Nr. im Katalog Lalande	Tag der Beobachtungen	Nr. im Katalog Lalande	Tag der Beobachtungen	Nr. im Katalog Lalande	Tag der Beobachtungen
46679	December 5.	754	December 5.	2392	December 5.
46686	November 14.	810	Oct. 4., Nov. 14.	2442	November 20.
46740	October 28.	812	October 28.	2579	» 20.
46764	» 3.	873	December 5.	2585	» 21.
46792	November 14.	904	November 14., 21.	2680	» 20., 21.
46813	December 5.	910	October 3.	2775	November 20.
46906	October 28.	968	» 28.	2841	» 21.
45913	November 14. 23)	982	» 4.	2995	December 5.
46956	December 5.	1013	November 14.	3017	November 20., 21.
47008	October 28.	1071	October 4.	3134	» 20., 21.
47029	November 14.	1106	October 28.	3200	November 20.
47095	October 28.	1116	Nov. 21., Dec. 5.	3201	» 21.
47178	» 28.	1200	October 28.	3221	December 5.
47187	Nov. 14., Dec. 5.	1206	November 21.	3291	November 21.
		1208	December 5.	3321	» 20.
47287	Oct. 3., Nov. 21.	1219	November 20.	3345	December 5.
47301	Oct. 28., Nov. 14.	1283	» 21.	3397	November 21.
47386	October 28.	1303	» 14.	3443	December 5.
30	November 21.	1326	October 28.	3557	November 21.
91	October 3.	1386	November 21.	3575	December. 5.
102	October 28.	1410	November 14., 20.	3655	December 5.
104	November 21. 24)	1422	October 28.	3666	November 21.
176	Oct. 4., Dec. 5.	1491	December 5.	3762	» 21.
195	October 28.	1497	November 14.	3950	» 20.
248	» 3., 4.	1552	Oct. 28., Nov. 20.	4075	» 20.
269	November 14., 21.	1581	November 21.	4194	November 20.
304	Oct. 28., Dec. 5.	1597	Dec. 5., Nov. 14.	4321	» 20.
371	November 21.	1678	Oct. 28., Nov. 14., 20., 21.	4392	» 20.
382	October 3., 4.	1725	December 5.	4417	December 28.
392	» 28.	1792	November 21.	4508	November 20.
411	Nov. 14., Dec. 5.	1793	November 14. 26)	4589	Nov. 20., Dec. 28.
448	October 4., 28.	1861	December 5.	4678	November 20.
482	Oct. 3., Nov. 21.	1883	November 21.	4699	December 28.
514	December 5.	1928	October 28.	4736	» 21.
573	Oct. 28., Nov. 21.	1952	November 14.	4793	November 20.
575	November 14.	1974	November 21.	4842	December 28.
591	October 3., 4.	2038	» 14.	4904	November 20.
650	December 5.	2059	December 5.	4936	December 21.
664	November 14.	2115	November 21.	4989	» 21.
722	October 3., 4. 25)	2169	» 14., 20.	5137	November 20.

Nr. im Katalog Lalande	Tag der Beobachtungen	Nr. im Katalog Lalande	Tag der Beobachtungen	Nr. im Katalog Lalande	Tag der Beobachtungen
5202	December 21.	6644	December 28.	8362	December 28.
5255	Nov. 20., Dec. 28. [27])	6717	» 28.	8471	» 28.
5319	December 21.	6736	» 21.	8581	» 28. [28])
5364	» 28.	7121	» 28.	8711	» 28.
5450	» 21., 28.	7164	» 21.	8814	» 28.
5767	December 28.	7197	» 28.	8955	» 28.
5794	» 21.	7309	» 28.	9253	» 28.
5905	» 28.	7310	» 21.	9388	» 28.
6015	» 21., 28.	7408	» 21.	9723	» 28.
6099	» 21., 28.	7412	» 28.		
6249	December 21.	7542	» 28.		
6305	» 28.	7561	» 28.		
6353	» 21.	7565	» 21.		
6395	» 28.	7683	» 21.		
6502	» 21., 28.	8145	» 28.		

1) Ist L. 30399, wenn man annimmt, dass in der Histoire céleste der Mittelfaden anstatt des ersten Fadens notirt sei.
2) Am 22. Juli bloss AR. beobachtet.
3) Bei der Beobachtung am 18. Juli war die Zeitminute um 1 zu vermehren.
4) Dupl. praec.
5) Weicht von L. 37640 um etwa + 2′ in Decl. ab.
6) Bei der Beobachtung vom 12. September wurde die notirte Z. D. um 2′ vergrössert.
7) Bei der Beobachtung am 29. August waren die Fäden verschrieben.
8) Weicht von L. 38975 in Decl. um + 5′ übereinstimmend mit B. Z. ab.
9) Kam beidemal nahe um ein Lalande'sches Intervall zu spät.
10) Am 29. August war die Z. D. um 5′ zu gross notirt.
11) Wurde in AR. um 1ᵐ grösser beobachtet.
12) Declination unsicher.
13) Dupl. praec.
14) Wurde der um ungefähr eine Minute früher kommende Stern 7. Gr. beobachtet.
15) Dupl. praec.
16) Bloss in Decl. beobachtet.
17) Dupl. bor.
18) Am 28. October seq. austr. beobachtet.
19) Nach Vermehrung der beob. AR. um 1ᵐ.
20) Am 3. October bloss in AR. beobachtet.
21) Am 28. October seq. austr. beobachtet.
22) Kam um 1ᵐ zu spät.
23) Stimmt mit dem Mittelfaden und nicht mit dem dritten Faden der Histoire céleste.
24) Die Decl. in Lalande's Position um 5′ zu klein.
25) Am 4. October praec. austr. beobachtet.
26) Bei dieser Beobachtung für L. 1837 waren die Fäden verschrieben.
27) November 20. Dupl. praec., December 28. seq. beobachtet.
28) Declination unsicher.

PLANETEN-

UND

COMETEN-BEOBACHTUNGEN

AM REFRACTOR VON VIER ZOLL ÖFFNUNG.

Vom August 1860 bis Januar 1862.

Von

AUGUST MURMANN,

Assistent der k. k. Sternwarte.

Für die Beobachtungen bis Mai 1861 wurden die in den Annalen 3. Folge, Band X. angegebenen Werthe der Halbmesser des Ringmikrometers beibehalten. Spätere Bestimmungen derselben nach der Methode von Dr. C. H. F. Peters (A. Not., 13.) änderten den Halbmesser für den äusseren und inneren Kreis respective um — 0."6 und — 0."1, daher vom Juli 1861 an die folgenden Werthe gelten:

für den äusseren Kreis......... 809."8

» » inneren » .... 686.9.

Die Reduction der Sterne vom mittleren auf den scheinbaren Ort wurde mittelst der Constanten des Nautical-Almanac gerechnet.

Gewichtsangaben beziehen sich auf je eine Beobachtung.

Bei den Beobachtungen am 1., 6., 13. Februar und 12. Mai wurde ein nach mittlerer Zeit gehender Chronometer benützt.

Murmann.

Ariadne.

Ariadne —		Stern —	
h m s	s	h m s	s
20 25 55.5	6.0	20 28 4.7	15.1
27 30.2	20.2	29 39.6	29.5
30 12.4	23.0	32 21.5	32.1
31 46.9	36.4	33 57.0	46.8
Ariadne +		**Stern +**	
34 38.9	49.0	36 50.0	59.0
36 20.8	10.9	38 30.1	21.1
39 24.8	35.0	41 35.4	44.6
41 6.0	56.0	43 16.3	7.0
Ariadne —		**Stern —**	
21 6 5.5	15.5	21 8 16.8	26.1
7 46.5	36.3	9 57.8	48.5
15 10.5	19.8	17 22.1	31.1
16 51.2	41.0	19 3.1	54.1
Ariadne +		**Stern +**	
24 2.4	13.8	26 15.6	26.0
25 38.6	27.6	27 49.5	39.1
28 40.7	51.4	30 54.0	4.7
30 16.9	6.0	32 28.0	17.5

	h	m	s
Mittel der Zeit........	20	56	20.5
Correct. der Uhr	—	10	4.6
Sternzeit.............	20	46	15.9
Mittlere Wien. Zeit ...	8	16	6.9

1861. 28. September. ♄

Differenz (Pl. — St.).

— 2m 9.s25, 9.67	— 0′ 7.″1
10.15, 10.37	— 0 3.3
11.35, 11.98	— 0 12.2
11.95, 12.30	— 0 19.4
— 2 10.88	— 0 10.5

Stern, B. Z.

1861.0	1h 4m 25.s69	+ 13° 8′ 10.″8
Reduct. .	+ 4.63	+ 28.5
Differ. ..	— 2 10.88	— 10.5
eig. Bew.	0.00	0.0
Refr.....	0.00	0.0
Ariadne .	1 2 19.44	+ 13 8 28.8
Log. F. Par.	8.612_n	9.820

Ariadne +		Stern +	
22 35 18.1	30.0	22 40 27.5	37.5
36 52.0	41.3	42 5.1	55.1
44 3.5	14.5	49 13.5	23.8
45 37.5	27.0	50 50.9	40.5
23 0 23.5	34.1	23 5 34.1	44.3
1 57.5	47.4	7 11.6	1.5
Ariadne —		**Stern —**	
23 12 59.4	9.3	23 18 14.0	24.0
14 36.1	25.5	19 47.1	36.5
21 26.0	36.1	26 40.8	51.0
23 2.6	52.5	28 14.1	4.0
28 41.6	51.9	33 56.5	7.0
30 18.0	7.9	35 30.0	19.5
35 52.5	2.5	41 7.6	18.1
37 29.5	18.8	42 41.4	30.9

1861. 6. October. ⊙

Differenz (Pl. — St.).

— 5m 10.s95, 11.55, 12.25	+ 0′ 45.″9
12.83, 13.18, 13.40, 13.68	+ 0 36.9
— 5 12.55	+ 0 40.8

Stern (75 Piscium).

L. 1930	0h 59m 14.s75	+ 12° 12′ 35.″5
Piazzi 287	14.91(15)	35.5(9)
B. Z. 124	15.59	35.8
Gillis 42	15.02(1)	38.9(1)
Taylor 341	15.12(5)	42.0(5)
Robinson 233	14.90(1)	35.3(4)

	h	m	s
Mittel der Zeit	23	9	11.8
Correct. der Uhr	—	9	26.9
Sternzeit	22	59	44.9
Mittlere Wien. Zeit ...	9	57	46.7

Lal. und Piazzi ausgeschlossen.

1861.0	0h59m15.s14	+12° 12′ 38.″7
Reduct...	+ 4.69	+ 29.4
Differ....	— 5 12.55	+ 40.8
eig. Bew.	0.00	+ 0.1
Refr.....	0.00	+ 0.0
Ariadne .	0 54 7.28	+12 13 49.0
Log. F. Par.	8.336_n	9.782

Stern + h m s	s	Ariadne — h m s	s
0 25 52.6	3.0	0 26 38.6	49.1
27 28.5	18.5	28 10.6	0.0
28 28.9	39.0	29 14.8	25.5
30 5.0	55.0	30 46.2	35.6
31 0.5	10.5	31 46.5	57.7
32 36.5	26.5	33 17.6	6.5
33 57.0	7.4	34 44.2	54.6
35 34.0	24.0	36 14.5	3.5
1 17 10.0	20.4	1 17 54.4	5.2
18 45.8	35.4	19 25.0	14.0
24 54.6	5.1	25 39.7	50.6
26 31.6	21.1	27 9.0	57.9
27 49.9	0.0	28 35.0	46.8
29 26.5	16.6	30 3.5	52.5
30 45.5	55.4	31 30.6	41.8
32 22.1	12.4	32 59.9	48.2

	h	m	s
Mittel der Zeit	0	59	0.6
Correct. der Uhr	—	9	9.4
Sternzeit	0	49	51.2
Mittlere Wien. Zeit ...	11	31	51.4

1861. 10. October. ♃

Differenz (Pl. — St.).

+ 0m 43.s92, 43.55, 42.57, 43.60	—14′ 15.″9
41.75, 41.20, 41.20, 41.28	—14 33.1
+ 0 42.51	—14 24.5

Stern, W. M. B. (2.3).

1861.0	0h49m12.s69	+11° 57′ 34.″8
Reduct...	+ 4.70	+ 30.0
Differ. ..	+ 42.51	— 14 24.5
eig. Bew.	+ 0.01	+ 0.5
Refr.....	0.00	— 0.4
Ariadne .	0 49 59.91	+11 43 40.4
Log. F. Par.	.....	9.774

Ausonia.

Ausonia +		Stern +	
11 11 29.0	40.1	11 12 7.6	16.0
13 0.5	43.5	13 52.0	43.4
18 3.5	15.0	18 42.5	....
19 34.0	23.5	20 26.2	....
22 57.5	8.8	23 35.8	45.2
24 28.0	17.3	25 20.2	11.8
25 49.0	0.0	26 27.5	36.1
27 19.0	8.5	28 11.8	3.0

1861. 11. April. ♃

Differenz (Pl. — St.).

— 0m 45.s23, 45.35, 45.35, 45.48	+ 3′ 39.″8
46.22, 46.23, 46.20	+ 3 40.6
— 0 45.72	+ 3 40.1

Ausonia — h m s	s	Stern — h m s	s
12 8 35.0	44.0	12 9 29.5	41.2
10 16.0	7.8	10 54.0	43.0
12 1.5	11.0	12 56.6	7.9
13 43.5	34.5	14 21.1	9.8
15 40.0	....	16 35.5	46.8
17 22.5	....	17 59.5	48.0

	h m s
Mittel der Zeit	11 42 52.9
Correct. der Uhr	+ 0 41.1
Sternzeit.............	11 43 34.0
Mittlere Wien. Zeit ...	10 23 18.6

Stern.

Lal. 20357	$10^h23^m11.^s42$	+ 7°46 13."3
B. Z. 69	11.46	11.5

Lal. halbes Gewicht.

1861.0	$10^h23^m11.^s45$	+ 7° 46' 12."1
Reduct. .	+ 2.72	— 14.9
Differ....	— 45.72	+ 3 40.1
eig. Bew.	0.00	— 0.1
Refr.....	0.00	+ 0.1
Ausonia..	10 22 28.45	+ 7 49 37.3
Log. F. Par.	8.043	9.814

Elpis.

Stern —		Elpis —	
21 3 11.2	22.0	21 6	12.5
4 36.6	25.9	7	26.0
11 46.5	57.1	14 37.5	47.5
13 12.0	0.8	16 10.0	0.2
16 53.5	5.0	19 44.8	55.0
18 19.4	8.6	21 18.0	7.5
Stern +		**Elpis +**	
21 27 20.6	29.3	21 30 17.5	26.5
29 1.5	52.6	31 53.8	44.0
36 34.5	44.0	39 32.0	41.5
38 16.9	7.4	41 8.5	59.5
41 23.7	32.6	44 19.5	29.0
43 4.5	55.0	45 56.0	46.5

	h m s
Mittel der Zeit	21 26 33.0
Correct. der Uhr	+ 33.3
Sternzeit.............	21 27 6.3
Mittlere Wien. Zeit ...	9 39 8.6

1860. 17. September. C

Differenz (Pl. — St.).

+ 2^m 55.^{s}33, 54.70, 54.68	+ 1' 18."6
54.45, 54.67, 53.80	+ 1 19.3
+ 2 54.61	+ 1 19.0

Stern, B. Z. 40.

1860.0	$0^h33^m39.^s76$	+ 0° 24 15."2
Reduct. .	+ 4.33	+ 29.0
Differ. ..	+ 2 54.61	+ 1 19.0
eig. Bew.	0.00	— 0.1
Refr.....	0.00	+ 0.1
Elpis ...	0 36 38.70	+ 0 26 3.2
Log. F. Par.	8.515_n	9.871

Eugenia.

Eugenia —		Stern —	
10 39 38.5	50.0	10 41 11.5	21.5
41 7.0	56.0	42 45.5	36.5
43 32.0	42.5	45 5.0	14.7
45 0.0	49.6	46 39.8	29.5
47 11.8	22.5	48 44.5	54.0
48 40.1	29.1	50 19.5	10.0

1861. 11. April. ♃

Differenz (Pl. — St.).

— 1^m 35.^{s}87, 36.23, 36.13	— 1' 17."0
37.85, 37.90, 37.82, 38.12	— 0 57.3
— 1 37.13	— 1 5.7

Eugenia + h m s	s	Stern + h m s	s
11 36 52.5	2.0	11 38 32.5	43.0
38 28.7	18.5	40 3.7	53.9
40 18.5	28.0	41 58.5	9.0
41 54.5	45.0	43 30.1	20.0
43 55.0	4.7	45 35.1	45.1
45 31.2	21.5	47 6.9	56.6
47 41.5	51.7	49 21.8	32.5
49 17.4	8.0	50 53.8	43.0

	h m s
Mittel der Zeit	11 17 47.8
Correct. der Uhr	+ 41.1
Sternzeit	11 18 28.9
Mittlere Wien. Zeit ...	9 58 17.6

Stern.

L. 23669, 71	$12^h33^m45.^s55$	+ 4°38′ 6.″5
B. Z. 157, 59	46.00	6.1

Lal. halbes Gew.

1861.0	$12^h33^m45.^s85$	+ 4° 38′ 6.″2
Reduct. .	+ 3.03	— 19.2
Differ. ..	— 1 37.13	— 1 5.7
eig. Bew.	0.00	+ 0.1
Refr. ...	0.00	0.0
Eugenia .	12 32 11.75	+ 4 36 41.4
Log. F. Par.	8.306_n	9.843

Eunomia.

Eunomia —		Stern —	
7 46 7.8	18.5	7 48 45.9	56.1
47 39.5	28.8	50 19.0	8.3
51 34.1	44.5	54 12.8	23.0
53 5.1	54.6	55 44.7	34.5
8 18 2.2	13.5	8 20 41.5	52.5
19 29.0	17.9	22 10.0	58.9
Eunomia +		**Stern +**	
24 19.5	29.1	27 0.5	10.0
26 1.5	51.9	28 41.6	32.0
29 25.8	34.6	32 6.9	16.1
31 8.0	59.0	33 48.5	39.5
34 33.3	42.6	37 14.8	24.1
36 16.3	7.9	38 57.2	47.5

	h m s
Mittel der Zeit	8 14 48.5
Correct. der Uhr	+ 35.8
Sternzeit	8 14 12.7
Mittlere Wien. Zeit ...	11 42 29.9

1862. **28. Jänner.** ♂

Differenz (Pl. — St.).

— 2^m 38.^{s}67 } 39.18 }	— 0′ 12.″9
40.07	— 0 14.8
40.52 } 40.90 } 40.88 }	— 0 14.1
— 2 40.04	— 0 13.8

Stern.

L. 17184	$8^h36^m13.^s74$	+ 14° 7′ 8.″5
B. Z. 62	14.36	6.4

Lal. halbes Gewicht.

1862.0	$8^h36^m14.^s15$	+14° 7′ 7.″1
Reduct. .	+ 2.84	— 10.5
Differ. ..	— 2 40.04	— 13.8
eig. Bew.	0.00	— 0.2
Refr.	0.00	0.0
Eunomia.	8 33 36.95	+14 6 42.6
Log. F. Par.	7.601_n	9.749

Europa.

Europa —		Stern +	
20 6 0.6	11.0	20 6 29.5	40.1
7 35.1	24.0	8 4.0	52.8
9 14.5	25.5	9 44.0	54.6
10 49.0	38.0	11 18.4	7.0
12 43.0	54.1	13 12.1	23.0
14 17.5	6.0	14 46.8	36.2

1860. **9. August.** ♃

Differenz (Pl. — St.).

— 0^m 28.^{s}92 } 29.25 } 29.38 }	—15′ 13.″7
29.10 } 29.57 } 29.67 }	—15 15.3
— 0 29.32	—15 14.5

Europa —		Stern +	
h m s	s	h m s	s
20 16 8.2	19.1	20 16 37.2	48.2
17 42.5	31.5	18 11.8	0.5
19 44.0	55.5	20 14.0	24.8
21 19.0	7.5	21 48.3	37.2
23 16.5	27.6	23 46.8	57.8
24 51 8	40.5	25 21.0	9.5

	h m s
Mittel der Zeit	20 15 18.4
Correct. der Uhr	— 1 43.1
Sternzeit	20 13 35.3
Mittlere Wien. Zeit....	10 59 10.0

Stern, A. Z. C. 20257.

1860.0	20h 0m 7.s45	—19° 12′ 16.″0
Reduct. .	+ 4.59	+ 12.4
Differ. ..	— 29.32	— 15 14.5
eig. Bew.	+ 0.01	+ 0.5
Refr.	— 0.01	— 1.7
Europa ..	19 59 42.72	—19 27 19.3
Log. F. Par.	7.452	9.966

Europa —		Stern +	
21 49 45.5	57.9	21 52 52.6	0.4
51 8.5	57.1	54 38.5	30.5
55 55.0	3.5	59 13.5	22.0
57 40.5	30.9	22 0 59.0	50.8
22 1 37.9	46.9	4 56.6	5.2
3 23.0	14.5	6 42.1	33.5
7 10.0	18.4	10 29.0	37.5
8 55.0	46.5	12 14.4	6.0
26 38.0	46.5	29 57.8	5.8
28 23.0	14.0	31 42.5	34.0
32 34.0	43.0	35 54.0	2.4
34 19.0	10.2	37 39.1	30.6

	h m s
Mittel der Zeit	22 9 31.5
Correct. der Uhr	— 10 4.6
Sternzeit	21 59 26.9
Mittlere Wien. Zeit....	9 29 5.8

1861. 28. September. ♄

Differenz (Pl. — St.).

— 3m 18.s00	....
18.85	....
18.78	....
19.25	....
19.65	....
19.97	....
— 3 19.08	....

Stern (39 Ceti).

Lal.2300	1h 9m 32.s73	—3° 13′ 53.″5
Piazzi 32	33.35(8)	52.3(9)
B. Z. 132	33.45	57.2
Santini 23	33.19(4)	59.2(4)
Taylor 409	33.22(5)	55.1(5)
Gillis 51	32.88(1)	53.2(1)
Rob. 276	33.08(5)	58.1(3)
Johns. 393	33.11(3)	59.5(1)

Lal. und Piazzi ausgeschlossen.

1861.0	1h 9m 33.s15	— 3° 14′	.....
Reduct. .	+ 4.52		.....
Differ. ..	— 3 19.08		.....
eig. Bew.	0.00		.....
Refr. ...	+ 0.03		.....
Europa ..	1 6 18.62	— 3 20	.....
Log. F. Par.	8.511n		.....

Europa +		Stern +	
22 0 58.4	9.0	22 5 3.6	14.4
2 33.5	23.8	6 34.1	23.5
7 25.8	36.0	11 31.5	41.7
9 0.9	51.2	13 1.3	50.6
19 29.5	39.6	23 35.9	46.4
21 4.4	54.2	25 5.1	54.5

1861. 29. September. ☉

Europa —		Stern —	
h m s	s	h m s	s
22 25 54.0	4.4	22 29 54.5	4.6
27 22.8	12.0	31 29.4	20.0
55 17.5	26.1	59 17.6	27.0
56 48.0	37.6	23 0 54.9	45.7
23 1 39.3	49.5	5 41.0	49.8
3 11.0	0.9	7 18.1	9.0
7 56.3	6.5	11 58.0	7.5
9 27.6	17.5	13 35.4	26.1
14 26.5	37.0	18 29.1	38.5
15 58.4	48.0	20 6.4	57.0
Europa +		**Stern +**	
21 34.7	44.0	25 43.0	53.0
23 12.5	3.4	27 14.6	4.6
47 15.7	25.5	51 25.5	35.6
48 54.1	45.1	52 57.5	47.3

	h m s
Mittel der Zeit	22 50 58.6
Correct. der Uhr	— 10 1 1
Sternzeit	22 40 57.5
Mittlere Wien. Zeit	10 6 33.8

Differenz (Pl. — St.).

— 4m 2.s73, 2.80, 3.55	— 1′ 1.″1
3.82	— 1 13.1
4.00, 4.30, 4.80, 5.28	— 1 19.8
5.15, 6.37	— 1 26.5
— 4 4.28	— 1 14.9

Stern, B. Z. 132 (dupl. praec.).

1861.0	1h 9m 34.s99	— 3° 25′ 19.″2
Reduct.	+ 4.53	+ 29.5
Differ.	— 4 4.28	— 1 14.9
eig. Bew.	0.00	— 0.1
Refr.	0.00	— 0 1
Europa	1 5 35.24	— 3 26 4.8
Log. F. Par.	8.420_n	9.890

Europa —		Stern +	
23 28 36.9	48.1	23 30 4.9	15.1
30 3.6	52.5	31 36.6	26.8
32 2.8	14.0	33 31.0	41.5
33 29.0	18.2	35 2.6	52.7
38 18.6	30.4	39 42.5	52.3
39 39.5	27.8	41 17.1	7.5
41 55.5	7.5	43 18.6	28.4
43 15.5	3.6	44 54.1	44.2
45 25.9	37.9	46 49.8	59.3
46 46.5	34.4	48 24.6	14.9
49 7.1	19.0	50 31 5	40.5
50 27.9	16.2	52 6.2	56.5
53 54.0	6.5	55 17.8	27.4
55 14.0	2.0	56 53.5	43.5
57 19.5	32.5	58 44.1	53.7
58 40.4	28.0	0 0 18.8	9.5

	h m s
Mittel der Zeit	23 44 1.1
Correct. der Uhr	— 9 57.8
Sternzeit	23 34 3.3
Mittlere Wien. Zeit	10 55 34.9

1861. 30. September. ☾

Differenz (Pl. — St.).

— 1m 30.s57, 30.90	—15′ 19.″3
30.78, 30.80, 30.98	—15 29.8
31.12, 31.43, 31.42	—15 28.4
— 1 31.00	—15 26.6

Stern.

Lal. 2184	1h 6m 17.98	— 3° 17′ 16.″0
B. Z. 132	18.20	16.8

Lal. halbes Gewicht.

1861.0	1h 6m 18.s13	— 3° 17′ 16.″5
Reduct.	+ 4.54	+ 29.6
Differ.	— 1 31.00	— 15 26.6
eig. Bew.	+ 0.01	+ 0.2
Refr.	+ 0.02	— 0.7
Europa	1 4 51.70	— 3 32 14.0
Log. F. Par.	8.236_n	9.893

Stern — h m s	s	Europa + h m s	s
23 35 10.0	19.5	23 38 42.5	51.4
36 44.1	34.5	40 23.5	14.1
40 46.6	56.0	44 18 6	28.0
42 20.0	10.8	45 59.5	50.6
46 29.6	39.0	50 1.3	10.5
48 3.4	53.8	51 42.4	33.0
52 42.1	52.0	56 14.1	23.6
54 16.0	6.8	57 55.0	46.0
58 24.0	33.5	0 1 55 9	5.0
59 58.0	48.0	3 37.0	27.9
0 3 53.0	2.9	7 24.6	33.8
5 26.0	17.8	9 6.0	56.8
9 32.0	41.5	13 3.1	12.0
11 5.4	56.0	14 44.2	35.0
15 10.1	20.0	18 41.0	50.0
16 44.0	34.0	20 22.7	13.5

	h m s
Mittel der Zeit	23 59 38.2
Correct. der Uhr	— 9 30.8
Sternzeit	23 50 7.4
Mittlere Wien. Zeit....	10 55 52.8

1861. 4. October. ♀

Differenz (Pl. — St.).

+ 3ᵐ 35.ˢ85, 35.82, 35.35, 35.44	+11′ 38.″0
35.57, 35.38, 34.86, 34.77	+11 33.7
+ 3 35.38	+11 35.8

Stern, W. M. B. (2.1).

1861.0	0ʰ58ᵐ19.ˢ65	— 4° 7′ 38.″8
Reduct. .	+ 4 58	+ 29.6
Differ. ..	+ 3 35.38	+ 11 35.8
eig. Bew.	— 0.01	— 0.8
Refr. ...	— 0.01	+ 0.6
Europa ..	1 1 59.59	· 3 55 33.6
Log. F. Par.	8.138ₙ	9.897

Europa + h m s	s	Stern + h m s	s
0 28 57.8	8.5	0 31 48.0	59.0
30 28.0	17.5	33 16.1	5.2
35 23.5	34.1	38 14.6	25.0
36 55.8	45.0	39 43.3	33.0
42 32.7	42.9	45 23.2	33.6
44 6.0	55.0	46 54.0	43.1
51 54.5	4.5	54 45.9	56.1
53 28.5	18.5	56 17.2	7.0
57 51.5	2.0	1 0 43.4	53.5
59 26.4	16.8	2 15.7	5.8
Europa —		**Stern —**	
1 18 40.5	51.0	1 21 29.8	40.0
20 9.0	58.4	23 2.1	52.0
36 13.0	23.6	39 2.0	13.1
37 39.8	28.5	40 32.5	22.0
44 37.1	48.5	47 26.4	37.3
46 2.0	51.0	48 55.8	44.8
52 16.5	28.2	55 6.5	17.2
53 40.3	28.9	56 34.0	23.4
58 26.0	38.1	2 1 16.2	27.1
59 49.0	36.8	2 43.0	32.0

1861. 9. October. ☿

Differenz (Pl. — St.).

— 2ᵐ 49.ˢ13, 49.37	— 0′ 27.″7
49.32, 50.05, 50.43	— 0 29.2
51.25, 51.18	— 0 38.5
51.42, 51.80, 52 10	— 0 39 4
— 2 50.60	— 0 33.8

	h m s
Mittel der Zeit	1 13 25.9
Correct. der Uhr	— 9 19.9
Sternzeit	1 4 6.0
Mittlere Wien. Zeit	11 49 59.8

Stern 1 u. 2 +		Europa —	
h m s	s	h m s	s
23 59 2.8	12.8	0 1 42.5	54.0
0 0 35.9	25.6	3 6.5	55.0
23 59 21.5	31.5	....	....
0 0 55.0	45.0	....	....
4 1.0	12.1	6 32.0	42.1
5 26.0	14.4	8 5.8	54.0
4 19.8	31.1	....	....
5 45.0	33.9	....	....
8 47.7	59.0	11 19.5	29.5
10 14.0	2.0	12 51.3	40.5
9 6.8	18.0	....	....
10 32.6	21.3	....	....
44 28.2	39.0	47 4.3	15.5
45 59.8	48.5	48 31.5	19.5
44 47.2	57.7	....	....
46 18.5	7.6	....	....
48 58.0	8.6	51 34.4	45.8
50 29.5	18.8	53 0.5	49.0
49 17.4	27.5	....	....
50 48.6	38.1	....	....
53 19.7	30.0	55 56.4	7.9
54 52.0	41.0	57 21.0	9.5
53 38.5	49.0	....	....
55 10.9	0.4	....	....
1 2 40.8	51.2	1 5 19.5	31.0
4 14.4	3.9	6 41.5	30.0
3 0.0	10.0	....	....
4 33.6	23.4	....	....

	h m s
Mittel der Zeit	0 34 56.1
Correct. der Uhr	— 9 9.4
Sternzeit	0 25 46.7
Mittlere Wien. Zeit	11 7 50.8

Stern, 3 W. Mer. Beob.

1861.0	$1^h\ 1^m\ 4.^s55$	— 4° 23′ 32.″0
Reduct.	+ 4.61	+ 29.4
Differ.	— 2 50.60	— 33.8
eig. Bew.	0.00	— 0.1
Refr.	0.00	0.0
Europa	0 58 18.56	— 4 23 36.5
Log. F. Par.	7.047_n	9.900

1861. 10. October. ♃

Differenz (Pl. — St. 1).

+ $2^m\ 35.^s23$	—15′ 28.″9
35.09 34.53	—15 23.8
33.82 33.71	—15 30.2
33.03 32.93	—15 39.8
+ 2 34.05	—15 30.9

Differenz (Pl. — St. 2).

+ $2^m\ 16.^s25$	—15′ 22.″9
16.02 15.53	—15 23.1
14.95 14.53	—15 30.2
14.00 13.75	—15 37.0
+ 2 15.00	—15 29.1

Stern 1 (2 W. M. B.).

1861.0	$0^h\ 54^m\ 57.^s29$	— 4° 13′ 36.″9
Reduct.	+ 4.62	+ 29.5
Differ.	+ 2 34.05	— 15 30.9
eig. Bew.	+ 0.01	+ 0.3
Refr.	+ 0.01	— 0.7
Europa	0 57 35.98	— 4 28 38.7

Stern 2 (2 W. M. B.).

1861.0	$0^h\ 55^m\ 16.^s27$	— 4° 13′ 39.″4
Reduct.	+ 4.62	+ 29.5
Differ.	+ 2 15.00	— 15 29.1
eig. Bew.	+ 0.01	+ 0.3
Refr.	+ 0.01	— 0.7
Europa	0 57 35.91	— 4 28 39.4
Im Mittel	0 57 35.94	— 4 28 39.0
Log. F. Par.	7.791_n	9.900

Euterpe.

Euterpe + h m s	s	Stern 1 u. 2 — h m s	s
20 56 4.5	15.3	20 58 51.4	2.1
57 34.8	24.8	21 0 17.4	7.6
....	....	0 0.5	13.5
....	....	1 15.5	2.8
21 2 8.5	18.8	4 55.6	6.1
3 38.8	28.0	6 21.6	10.6
....	....	6 5.0	17.9
....	....	7 20.0	6 6
8 1.3	11.5	....	....
9 31.7	21.3	....	....
....	...	11 58.0	11.9
....	...	13 13.0	59.5
14 39.7	50.0	17 26.8	38.0
16 10.0	59.2	18 53.0	41.9
....	....	....	....
....	....	....	....
21 55.2	5.5	24 43.9	54.4
23 26.2	15.9	26 9.1	58.0
....	....	25 53.1	6.0
....	....	27 7.4	54.1
40 47.6	57.5	43 36.5	47.3
42 18.5	8.0	45 2.5	51.7
....	....	44 45.9	58.8
....	....	46 1.0	47.5
55 3.0	13.4	57 50.0	0.8
56 31.9	21.0	59 19.0	9.0
....	....	58 59.0	11.0
....	....	60 17.4	5.5

(Pl. — St. 1).

	h m s
Mittel der Zeit	21 22 31.5
Correct. der Uhr	1 11 59.6
Sternzeit.............	22 34 31.1
Mittlere Wien. Zeit....	8 56 16.9

(Pl. — St. 2).

	h m s
Mittel der Zeit	21 21 25.1
Correct. der Uhr	1 11 59.6
Sternzeit.............	22 33 24.7
Mittlere Wien. Zeit....	8 55 10.7
Im Mittel............	8 55 43.8

1860. 15. October. C

Differenz (Pl. — St. 1).

— 2m 44.s77, 44.95, 45.20	+ 15′ 37.″3
45.65, 46.60, 47.38	+ 15 30.2
— 2 45.76	+ 15 33.7

Differenz (Pl. — St. 2).

— 3m 48.s23, 48.85, 49.15	+ 17′ 10.″6
49.45, 50 40, 50.90	+ 17 2.8
— 3 49.50	+ 17 6.7

Stern 1, B. Z. 36.

1860.0	0h 51m 49.s86	+ 1° 54′ 8.″9
Reduct. .	+ 4.54	+ 29.6
Differ. . .	— 2 45.76	+ 15 33.7
eig. Bew.	— 0.01	— 0.5
Refr.....	— 0.02	+ 0.6
Euterpe . .	0 49 8.61	+ 2 10 12.3

Stern 2, B. Z. 36.

1860.0	0h 52m 54.s03	+ 1° 52′ 36.″7
Reduct. .	+ 4.54	+ 29.6
Differ. . .	— 3 49.50	+ 17 6.7
eig. Bew.	— 0.01	— 0.5
Refr.....	— 0.03	+ 0.7
Euterpe .	0 49 9.03	+ 2 10 13.2
Im Mittel	0 49 8.82	+ 2 10 12.7
Log. F. Par.	8.395n	9.860

Euterpe +				Stern —			
h	m	s	s	h	m	s	s
20	49	21.7	31.0	20	54	....	18.0
	51	1.4	52.2		55	....	32.5
	56	0.5	9.6	21	0	47.0	57.0
	57	40.0	31.0		2	21.4	11.8
21	2	46.5	55.6		7	33.9	43.5
	4	26.8	17.8		9	7.8	58.0
	10	8.5	17.8		14	56.4	6.0
	11	48.6	39.4		16	30.3	20.5
	34	19.0	28.0		39	7.5	17.2
	35	59.0	49.9		40	41.5	32.4

	h	m	s
Mittel der Zeit	21	9	11.5
Correct. der Uhr	1	11	54.5
Sternzeit	22	21	6.0
Mittlere Wien. Zeit ...	8	38	58.1

1860. 16. October. ♂

Differenz (Pl. — St.).

— 4ᵐ 43.ˢ68	
44.02	+11′ 51.″8
44.13	
44.72	+11 48.6
45.68	
— 4 44.37	+11 50.5

Stern, B. Z. 36.

1860.0	0ʰ52ᵐ54.ˢ03	+ 1°52′ 36.″7
Reduct...	+ 4.54	+ 29.6
Differ. ..	— 4 44.37	+ 11 50.5
eig. Bew.	0.00	— 1.0
Refr.....	— 0.02	+ 0.5
Euterpe..	0 48 14.18	+ 2 4 56.3
Log. F. Par.	8.429_n	9.861

Fides.

Stern —				Fides +			
9	37	40.5	52.0	9	38	17.5	29.5
	39	17.4	3.0		39	52.0	39.7
	40	26.9	37.5		41	2.5	15.5
	42	2.0	51.5		42	36.5	24.5
	43	16.2	26.8		43	52.5	5.0
	44	52.6	41.5		45	26.0	13.5
	46	13.5	25.5		46	50.5	3.5
	47	50.9	40.1		48	25.0	12.5
	52	1.0	12.5		52	37.5	50.0
	53	37.5	26.2		54	11.2	58.2
	54	39.4	50.5		55	16.0	28.0
	56	16.3	5.0		56	49.5	37.4
	57	12.5	24.2		57	48.5	1.5
	58	50.5	39.0		59	22.5	10.5
10	0	0.5	11.0	10	0	37.6	50.4
	1	38.0	27.5		2	10.0	58.4

	h	m	s
Mittel der Zeit	9	50	19.8
Correct. der Uhr	+	5	43.7
Mittlere Wien. Zeit ...	9	56	3.5

1861. 1. Februar. ♀

Differenz (Pl. — St.).

+ 0ᵐ 36.ˢ46	
35.28	+16′ 4.″6
34.98	
35.38	
34.92	
34.92	+16 2.6
34.20	
34.85	
+ 0 35.12	+16 3.6

Stern.

L. 16237,8	8ʰ10ᵐ51.ˢ16	+24° 36′ 22.″0
2 W. M. B.	52.05	18.3

Lal. ausgeschlossen.

1861.0	8ʰ10ᵐ52.ˢ05	+24°36′ 18.″3
Reduct. .	+ 3.02	— 5.7
Differ....	+ 35.22	+16 3.6
eig. Bew.	0.00	— 0.4
Refr.....	— 0.01	+ 0.4
Fides ...	8 11 30.28	+24 52 16.2
Log. F. Par.	8.258_n	9.619

Fides —		Stern 1 u. 2 +	
h m s	s	h m s	s
8 25 19.0	30.0	8 29 25.2	37.3
27 2.3	51.1	30 58.5	46.5
....	....	29 50.0	1.5
....	....	31 34.6	24.0
35 57.6	8.0	40 4.0	16.0
37 41.1	29.9	41 37.1	24.9
....	....	40 30.0	40.7
....	....	42 12.9	2.0
46 47.1	58.0	50 54.6	7.1
48 31.2	20.0	52 27.0	14.5
....	....	51 20.1	31.0
....	....	53 3.0	51.9
54 50.8	1.9	58 59.0	11.5
56 35.0	24.0	9 0 31 6	18.5
....	....	8 59 24.5	35.5
....	....	9 1 7.5	56.4
9 1 37.0	47.5	5 45.4	57.5
3 21.0	10.0	7 17.1	4.9
....	....	6 11.5	22.5
....	....	7 52.6	42.3
9 11.5	22.4	13 20.5	33.0
10 55.5	44.6	14 51.8	39.5
....	....	13 46.0	56.8
....	....	15 27.5	17.0

	h m s
Mittel der Zeit	8 49 49.0
Correct. der Uhr	+ 5 23.0
Mittlere Wien. Zeit	8 55 12.0

1861. 6. Februar. ☿

Differenz (Pl. — St. 1).

— 4m 1.s27	
1.35	—15′ 6.″3
1.73	
2.22	
2.34	—15 9.9
2.70	
— 4 1.93	—15 8.1

Differenz (Pl. — St. 2).

— 4m 31.s92	
32.25	—13′ 27.″5
32.43	
33.05	
33.34	—13 33.2
33.32	
— 4 32.72	—13 30.3

Stern 1, 1 W. M. B.

1861.0	8h 11m 1.s26	+25° 12′ 54.″6
Reduct.	+ 3.06	— 5.5
Differ. ..	— 4 2.59	— 15 8.1
eig. Bew.	0.00	+ 0.6
Refr. ...	+ 0.01	— 0.3
Fides	8 7 1.74	+24 57 41.3

Stern 2.

Lal. 16267	8h 11m 31.s27	+25° 11′ 10.″1
W. M. B.	31.88(3)	13.2(2)

Lal. ausgeschlossen.

1861.0	8h 11m 31.s88	+25° 11′ 13.″2
Reduct...	+ 3.06	— 5.5
Differ. ..	— 4 33.47	— 13 30.3
eig. Bew.	0.00	+ 0.6
Refr.	+ 0.01	— 0.3
Fides ...	8 7 1.48	+24 57 37.7
Im Mittel	8 7 1.61	+24 57 39.5
Log. F. Par.	8.411_n	9.640

Melpomene.

Melpomene —		Stern —	
10 20 15.0	25.1	10 22 24.5	33.5
21 48.5	38.5	24 4.5	55.6
24 31.8	41.8	26 41.5	50.0
26 4.5	55.0	28 21.0	11.9

1861. 1. Februar. ♀

Differenz (Pl. — St.).

— 2m 12.s75	
12.83	— 1′ 33.″3
13.63	
13.70	— 1 30.9
— 2 13.23	— 1 32.1

Melpomene +		Stern +	
h m s	s	h m s	s
10 39 37.5	47.5	10 41 54.7	5.0
41 18.5	9.0	43 28.8	18.5
44 4.5	14.1	46 20.9	31.5
45 43 8	34.5	47 54.5	44.8

Mittel der Zeit........ 10ʰ 32ᵐ 55.ˢ6
Correct. der Uhr...... + 5 43.9
Mittlere Wien. Zeit.... 10 38 39.5

Melpomene +		Stern +	
9 52 1.5	11.4	9 53 6.9	21.5
53 39.8	29.2	54 21.5	7 0
10 0 7.5	18.0	10 1 43.0	27.5
1 45.8	34.8	2 26.0	12.2
2 46.5	56.5	3 51.5	6.6
4 23.8	13 5	5 6.0	51.2

Melpomene		Stern +	
10 8 29.5	38.5	10 9 22.5	30.9
10 17.5	8.5	11 13.5	4.5
12 56.0	4.8	13 49.0	57.7
14 44.0	35.0	15 40.0	31.2
17 33.0	42.0	18 27.0	35.0
19 22.1	13.0	20 18.0	9.5

Für Decl.

	h	m	s
Mittel der Zeit........	9	59	7.4
Correct. der Uhr......	+ 0		8.5
Mittlere Wien. Zeit ..	9	59	15.9

Für AR.

	h	m	s
Mittel der Zeit.......	10	13	53.7
Correct. der Uhr......	+ 0		8.5
Mittlere Wien. Zeit....	10	14	2.2

Stern, 2 W. M. B.

1861.0	8ʰ 57ᵐ 22.ˢ89	+12° 7′ 26.″0
Reduct. .	+ 2.78	— 9.3
Differ. ..	— 2 13.59	— 1 32.1
eig. Bew.	0.00	— 0.2
Refr.....	0.00	0.0
Melpomene	8 55 12.08	+12 5 44.4
Log. F. Par.	8.235ₙ	9.778

1861. 13. Februar. ☿

Differenz (Pl. — St.).

.....	
.....	— 3′ 36.″7
.....	
— 0ᵐ 54.ˢ35	....
54.53	....
54.86	....
— 0 54.58	....

Stern.

B Z. 62	8ʰ 44ᵐ 21.ˢ72	+13° 54′ 38.″0
2 W. M. B.	21.43	36.5

B. Z. ausgeschlossen.

1861.0	....	+13° 54′ 36.″5
Reduct. .	.....	— 9.1
Differ. ..	.....	— 3 36.7
eig. Bew.	.....	— 0.7
Refr. ...	.....	— 0.1
Melpomene	....	+13 50 49.9
Log. F. Par.	.....	9.758
1861.0	8ʰ 44ᵐ 21.ˢ43	....
Reduct...	+ 2.88	....
Differ....	— 54.73	....
eig. Bew.	— 0.01	....
Refr.....	0.00	....
Melpomene	8 43 29.57	....
Log. F. Par.	8.139ₙ	....

Parthenope.

St. 1 +, St. 2 —		Parthenope —	
8 45 56.5	5.9	8 47 33.5	44.5
47 35.1	25.8	49 1.0	50.0
46 35.0	43.2	....	....
48 23.5	15.0	....	....
50 8.9	18.0	51 45.0	55.1
51 47.3	38.1	53 13.5	2.0
50 47.2	55.1	....	....
52 35.5	27.4	....	....

1861. 12. März. ♂

Differenz (Pl. — St. 1).

+ 1ᵐ 31.ˢ43	
30.83	—13′ 49.″1
30.63	
+ 1 30.96	

St. 1 +, St. 2 — h m s	s	Parthenope — h m s	s
....	....	55 43.0	53.6
....	....	57 11 0	0.4
54 44.9	53.0	....	...
56 33.0	25.5	....	....
....	....	8 59 34.5	45.0
....	....	9 1 2.4	52.1
8 58 36.7	45.0	....	....
9 0 25.0	16.5	....	....
....	....	2 57.5	8.4
....	....	4 26.1	15.2
9 2 0.5	8.5	....	....
3 48.5	40.5	....	....
4 50.0	59.4	6 25.6	36.0
6 28.2	19.5	7 54.5	43.5
5 28.7	36.6	....	....
7 16.6	8.5	....	....

(Pl. — St. 1).

	h m s
Mittel der Zeit	8 55 58.7
Correct. der Uhr	— 2 36 3
Sternzeit	8 53 22.4
Mittlere Wien. Zeit ...	9 31 32.0

(Pl. — St. 2).

	h m s
Mittel der Zeit	8 58 3.9
Correct. der Uhr	— 2 36.3
Sternzeit...	8 55 27.6
Mittlere Wien. Zeit....	9 33 36.9

Differenz (Pl. — St. 2).

+ 0m 48.s08 ....
47.60 ....
47.90 ....
47.70 ....
47.30 ....
47.30 ....

+ 0 47.65 . ...

Stern 1, Lal. 22042.

1861.0	11h30m34.s17	+ 9° 1′ 46.″3
Reduct. .	+ 2.94	— 17.9
Differ. ..	+ 1 30.96	— 13 49.1
eig. Bew.	— 0.01	+ 0.4
Refr.....	+ 0.02	— 0.5
Parthenope	11 32 8.08	+ 8 47 39.2
Log. F. Par.	8.456n	9.818

Stern 2.

Rob. 2515	11h31m17.s40(6)	+8°54′ 13.″7(5)
Sant. 147	17.44(2)	13.3(2)
B. Z. 236,7	17.74	16.3
1861.0	11h31m17.s48	....
Reduct. .	+ 2.94	....
Differ. ..	+ 47.65	....
eig. Bew.	+ 0.01	....
Refr.....	+ 0.01	....
Parthenope	11 32 8.07	....
Log. F. Par.	8.456n	....

1861. 15. März. ♀

Parthenope +		Stern —	
2 50 37.4	47.5	2 52 30.0	39.0
52 10.3	59.6	54 2.4	53.0
54 27 6	38.5	56 20.0	30.2
56 0.3	49.5	57 52.9	43.5
58 19.0	29.5	60 11.5	20.7
59 51.0	40.5	61 44.1	34.7

	h m s
Mittel der Zeit	2 55 14.2
Corr. der Uhr	5 56 58.9
Sternzeit	8 52 13.1
Mittlere Wien. Zeit ...	9 18 35.2

Differenz (Pl. — St.).

— 1m 52.s40 }
52.68 } +14′ 18.″6
52.75 }

— 1 52.61

Stern = Stern 2 vom 12. März.

1861.0	11h31m17.s48	+ 8° 54′ 14.″2
Reduct. .	+ 2.94	— 18.0
Differ. ..	— 1 52.61	+ 14 18.6
eig. Bew.	+ 0.01	— 0.5
Refr.....	— 0.04	+ 0.5
Parthenope	11 29 27.78	+ 9 8 14.8
Log. F. Par.	8.472n	9.817

1861. 16. März. ♄

Parthenope +		Stern —	
8 23 27.5	38.0	8 25 30.1	40.5
25 4.7	54.7	27 4.0	54.1
32 5.0	15.0	34 7.6	17.8
33 41.0	31.2	35 41.5	31.5
36 7.4	17.4	38 10.6	20.5
37 43.5	33.2	39 44.2	34.0

Differenz (Pl. — St.).

— 2m 0.s95 }
1.55 } +13′ 22.″8

1.95 }
1.93 } +13 33.5
2.17 }

— 2 1.71 +13 29.2

Parthenope +		Stern —	
h m s	s	h m s	s
8 40 26.3	36.5	8 42 29.4	39.5
42 2.2	52.3	44 3.0	53.1
44 54.1	4.0	46 56.9	7.0
46 29.6	19.3	48 30.8	21.0

	h m s
Mittel der Zeit	8 36 12.1
Correct. der Uhr	— 1 16.4
Sternzeit	8 34 55.7
Mittlere Wien. Zeit ...	8 57 24.7

Stern, B. Z. 236,7.

1861.0	$11^h30^m34.^s13$	$+9^\circ\ 1'47.''4$
Reduct. .	+ 2.94	— 17.9
Differ...	— 2 1.71	+13 29.2
eig. Bew.	+ 0.01	— 0.7
Refr.....	— 0.03	+ 0.5
Parthenope	11 28 35.34	+ 9 14 58.5
Log. F. Par.	8.491_n	9.818

Comet 1861 I.

Comet —		Stern +	
13 30 31.0	43.0	13 33 27.9	38.1
32 12.5	0.5	35 9.0	58.9
35 33.5	45.0	38 29.2	40.0
37 10.5	59.0	40 10.0	0.0
40 41.5	53.0	43 36.6	46.5
42 14.0	0.5	45 17.0	6.8
46 1.0	15.0	48 55.6	5.5
47 30.0	15.5	50 36.0	25.7
51 39.5	52.5	54 43.1	54.0
53 18.5	1.5	56 14.0	2.5
56 54.0	7.5	59 55.1	7.0
58 24.0	9.5	14 1 27.0	16.4

	h m s
Mittel der Zeit	13 44 20.5
Correct. der Uhr	+ 17.4
Sternzeit	13 44 37.9
Mittlere Wien. Zeit ...	10 26 5.3

1861. 11. Mai. ♄

Differenz (Com. — St.).

$-2^m\ 56.^s73$	$-12'\ 58.''8$
57.80	13 47.9
59.47	14 36.8
3 0.32	15 14.9
0.40	15 37.5
2.62	16 41.0
— 2 59.56	—14 49.5

Stern, B. Z. 277.

1861.0	$8^h53^m33.^s63$	$+19^\circ\ 34'43.''0$
Reduct. .	+ 2.06	— 5.5
Differ. ..	— 2 59.56	— 14 49.5
eig. Bew.	+ 0.32	+ 2.9
Refr. ...	— 0.08	— 0.8
Comet...	8 50 36.37	+19 19 50.1
Log. F. Par.	8.654	9.806

Stern —		Comet +	
10 17 56.2	10.0	10 19 33.0	46.0
19 15.0	1.0	21 10.0	58.5
21 37.5	51.3	23 12.5	23.5
22 55.5	42.7	24 51.5	39.0
25 15.5	28.5	26 50.5	1.5
26 36 5	23.5	28 30.0	18.5
30 7.4	18.0	31 47.5	1.5
31 39.3	28.5	33 24.0	12.0
33 54.8	5.5	35 32.5	44.5
35 27.0	16.8	37 13.0	0.0
37 49.8	1.0	39 26.0	39.0
39 23.0	12.9	41 8.5	57.0
46 6.0	17.0	47 37.0	48.0
47 36.7	25 5	49 23.0	12.5

1861. 12. Mai. ☉

Differenz (Com. — St.).

$+1^m\ 46.^s33$	$+16'\ 45.''2$
44.87	16 20.6
44.12	15 50.4
42.95	15 0.9
41.48	14 8.1
40.95	13 32.9
38.82	12 49.1
+ 1 42.79	+14 55.3

Stern.

L. 17417	$8^h43^m17.^s25$	$+15^\circ\ 51'45.''3$
B. Z. 273	16.98	45.7

Lal. halbes Gewicht.

	h m s
Mittel der Zeit	10 32 50.0
Correct. der Uhr	— 4 52.3
Mittlere Wien. Zeit	10 27 57.7

1861.0	$8^h43^m17.^s07$	+15° 51′ 45.″6
Reduct.	+ 1.93	— 6.2
Differ.	+ 1 43.66	+ 14 55.3
eig. Bew.	— 0.24	— 3.8
Refr.	+ 0.10	+ 0.9
Comet	8 45 2.52	+16 6 31.8
Log. F. Par.	8.652	9.828

Comet 1861 II.

Comet +		Stern 1 —	
h m s	s	h m s	s
18 2 7.6	29.8	18 6 3.7	26.5
5 37.0	14.6	9 14.0	50.8
9 59.2	27.5	13 23.5	46.3
13 8.0	42.1	16 34.6	12.5
17 54.0	19.8	21 7.5	35.5
21 4.5	39.0	23 56.0	26.8
Comet —		**Stern 2 —**	
18 29 44.0	9.0	18 37 46.5	9.5
33 5.0	39.2	40 57.0	32.6
Comet +		**Stern 2 +**	
18 42 19.0	44.0	18 49 34.1	53.5
45 33.0	9.0	53 6.3	47.4
Comet —		**Stern 3 +**	
19 0 17.0	41.5	18 58 19.9	41.9
3 38.0	13.3	19 1 39.5	17.4
6 12.0	33.8	4 6.0	27.4
9 50.0	24.0	7 27.0	1.8

	h m s
Mittel der Zeit	18 34 19.1
Correct. der Uhr	+ 3 13.9
Sternzeit	18 37 33.0
Mittlere Wien. Zeit	11 53 45.1

1861. 2. Juli. ♂

Differenz (Com. — St. 1).

$-3^m46.^s50$	+13′ 39.″8
25.02	15 39.6
2.13	17 12.2
— 3 24.55	+15 30.5

Differenz (Com. — St. 2).

$-7^m57.^s10$	+ 0′ 41.″6
23.80	2 9.4
— 7 40.45	+ 1 25.5

Differenz (Com. — St. 3).

$+1^m57.^s78$	—14′ 17.″5
2 14.40	12 31.9
+ 2 6.09	—13 24.7

Stern 1, A. Z. C. 9220.

1861.0	$8^h33^m2.^s96$	+62° 0′ 9.″5
Reduct.	+ 1.84	+ 0.1
Differ.	— 3 24.55	+ 15 30.5
eig. Bew.	+ 1.89	+ 38.8
Refr.	+ 0.14	+ 1.4
Comet	8 29 42.28	+62 16 20.3

Stern 2.

Fed. 1380	$8^h38^m36.^s63$	+ 62° 20′ 25.″4
A. Z. C. 9299	36.43	26.6
1861.0	$8^h38^m36.^s53$	+62° 20′ 26.″0
Reduct.	+ 1.84	+ 0.2
Differ.	— 7 40.45	+ 1 25.5
eig. Bew.	+ 0.06	— 2.4
Refr.	+ 0.01	+ 0.1
Comet	8 30 57.99	+62 21 49.4

Comet —		Stern 1 +	
h m s	s	h m s	s
17 43 19.5	52.0	17 47 58.5	29.0
47 2.0	29.0	51 28.5	59.0
52 31.8	6.0	17 56 41.5	11.0
56 9.0	34.8	18 0 19.0	49.4
18 1 17.5	49.0	5 3.0	31.5
4 52.5	19.0	8 39.0	10.6
9 17.5	50.5	12 42.0	9.5
12 52.0	18.5	16 18.5	49.0

Comet +		Stern 2 —	
18 18 11.1	37.0	18 19 46.8	11.5
22 26.0	0.5	23 52.0	25.5
24 20.3	45.8	25 38.5	4.0
28 34.0	7.8	29 42.3	18.5
30 18.5	44.0	31 21.0	46.5
34 32.0	6.5	35 25.9	1.4
35 58.6	24.0	36 47.0	13.0
40 12.5	47.6	40 52.0	26.0

	h m s
Mittel der Zeit	18 13 52.1
Correct. der Uhr	+ 3 42.6
Sternzeit	18 17 34.7
Mittlere Wien. Zeit....	11 25 58.2

Stern 1 —		Comet +	
17 31 46.5	11.8	17 38 14.0	39.0
35 12.0	46.8	42 2.0	36.5
42 41.5	7.0	49 20.5	45.0
46 6.1	40.8	53 17.5	52.0
54 57.0	21.5	18 2 1.8	24.5
58 32.5	8.5	5 56.0	31.6
18 6 53.6	18.0	14 12.8	35.0
10 28.8	5.0	18 13.0	50.4

Stern 3 (2 W. M. B.).

1861.0	8h 30m 9.s90	+62° 41′ 50.″1
Reduct. .	+ 1.83	+ 0.1
Differ....	+ 2 6.09	− 13 24.7
eig. Bew.	− 1.63	− 52.1
Refr.....	− 0.10	− 1.5
Comet...	8 32 16.09	+62 27 31.9
Im Mittel	8 30 47.86	+62 21 6.2
Log. F. Par.	8.6587	9.9378

1861. 4. Juli. ♃

Differenz (Com. — St. 1).

− 4m 33.s13	−17′ 5.″1
9.82	17 2.0
3 46.53	17 6.5
25.13	17 8.3
− 3 58.65	−17 5.5

Differenz (Com. — St. 2).

− 1m 30.s30	+11′ 26.″9
13.85	11 38.2
0 58.45	11 33.5
43.83	11 33.2
− 1 6.61	+11 32.9

Stern 1, 1 W. M. B.

1861.0	10h 52m 29.s31	+67° 11′ 44.″8
Reduct. .	+ 1.98	+ 1.4
Differ. ..	− 3 58.65	−17 5.5
eig. Bew.	0.00	− 25.9
Refr.....	− 0.08	− 0.5
Comet...	10 48 32.56	+66 54 14.3

Stern 2, (2.1) W. M. B.

1861.0	10h 50m 59.s50	+66° 41′ 46.″7
Reduct. .	+ 1.99	+ 1.3
Differ....	− 1 6.61	+ 11 32.9
eig. Bew.	0.00	+ 1 2.5
Refr.....	+ 0.06	+ 0.4
Comet...	10 49 54.94	+66 54 23.8
Im Mittel	10 49 13.75	+66 54 19.0
Log. F. Par.	9.0226	9.7184

1861. 6. Juli. ♄

Differenz (Com. — St. 1).

+ 6m 38.s60	+14′ 22.″3
54.90	13 31.9
7 13.60	12 52.9
31.48	12 5.1
+ 7 4.64	+13 13.0

Comet —		Stern 2 +	
h m s	s	h m s	s
18 24 51.5	17.5	18 30 28.0	55.1
28 35.0	10.2	33 49.1	22.3
34 40.0	9.5	39 53.0	18.5
38 11.5	43.2	43 21.0	55.0

	h m s
Mittel der Zeit	18 9 7.9
Correct. der Uhr	+ 3 51.5
Sternzeit.............	18 12 59.4
Mittlere Wien. Zeit....	11 13 31.9

Differenz (Com. — St. 2).

— 5^m $25.^s07$	—15′	17.″5
10.82	15	53.7
— 5 17.94	—15	35.6

Stern 1, W. M. B. (2.1).

1861.0	12^h18^m $5.^s89$	+64° 52′ 36.″1
Reduct. .	+ 2.18	+ 1.8
Differ. ..	+ 7 4.64	+13 13.0
eig. Bew.	— 0.49	+ 33.5
Refr. ...	+ 0.02	+ 0.2
Comet...	12 25 12.24	+65 6 24.6

Stern 2, W. M. B. (2.1).

1861.0	$12^h31^m16.^s43$	+65° 20′ 11.″3
Reduct...	+ 2.22	+ 2.0
Differ. ..	— 5 17.94	— 15 35.6
eig. Bew.	+ 0.64	— 20.6
Refr. ...	— 0.04	— 0.3
Comet...	12 26 1.31	+65 4 16.8
Im Mittel	12 25 28.60	+65 5 42.0
Log. F. Par.	9.0242	9.4485

Stern —		Comet +	
19 14 0.0	21.3	19 16 27.5	45.0
17 27.0	6.0	19 56.0	37.5
20 16.5	37.1	22 45.0	4.0
23 43.6	23.5	26 20.0	59.0
26 46.0	5.8	29 18.0	37.5
30 12.6	52.0	32 53.0	32.0

	h m s
Mittel der Zeit	19 24 36.2
Correct. der Uhr	+ 4 7.1
Sternzeit.............	19 28 43.3
Mittlere Wien. Zeit....	12 21 11.4

Alles durch Wolken hindurch beobachtet.

1861. 8. Juli. ☾

Differenz (Com. — St.).

+ 2^m $27.^s93$	+11′	25.″6
31.83	10	44.2
36.02	10	48.5
+ 2 31.93	+10	59.4

Stern.

A.Z.C. 13571	13^h16^m $6.^s11$	+61° 48′ 41.″2
W. M. B.	5.47	45.3

W. M. B. dopp. Gew.

1861.0	13^h16^m $5.^s68$	+61° 48′ 43.″9
Reduct. .	+ 2.34	+ 2.0
Differ. ..	+ 2 31.93	+ 10 59.4
eig. Bew.	— 0.38	+ 20.8
Refr......	+ 0.03	+ 0.3
Comet...	13 18 39.60	+62 0 6.4
Log. F. Par.	8.9773	9.5739

Comet +		Stern 1 —	
17 5 7.0	27.5	17 8 48.5	8.5
7 47.0	26.0	11 29.5	9.0
12 0.0	20.0	15 41.0	1.1
14 43.4	23.6	18 21.5	0.9
33 21.6	40.0	37 1.5	22.0
36 14.8	55.2	39 40.9	20.2
40 13.5	33.5	43 48.0	8.1
43 7.5	46.6	46 31.5	12.5
47 12.5	31.4	50 46.0	6.5
50 7.0	48.8	53 30.0	10.9

1861. 12. Juli. ♀

Differenz (Com. — St. 1).

— 3^m $42.^s00$ } 39.37 }	+15′	54.″3
33.25	14	51.9
29.75 } 28.45 }	14	22.1
— 3 34.56	+15	4.9

Stern 2 +		Comet +	
h m s	s	h m s	s
17 57 42.0	1.0	18 2 58.6	19.1
18 0 27.0	8.9	5 38.4	17.4
6 21.5	40.0	11 38.4	58.0
9 7.2	48.5	14 22.5	2.5
Stern 2 —		**Comet —**	
18 15 28.0	47.0	18 20 45.6	5.0
18 16.0	56.5	23 33.2	14.0
24 6.6	26.0	29 28.8	49.1
26 54.0	34.8	32 13.6	53.0

	h m s
Mittel der Zeit	17 50 35.1
Correct. der Uhr	+ 4 16.5
Sternzeit	17 54 51.6
Mittlere Wien. Zeit ...	10 31 51.5

Differenz (Com. — St. 2).

+ 5m	13.s64	+ 0′	35.″8
	16.05	+ 0	14.1
	17.58	— 0	2.5
	20.75	— 0	19.3
+ 5	17.01	+ 0	7.0

Stern 1, A. Z. C. 14403,4.

1861.0	14h 9m 13.s41	+56° 58′ 7.″7
Reduct. .	+ 2.46	+ 2.2
Differ. ..	+ 3 34.56	+ 15 4.9
eig. Bew.	— 0.27	+ 4.6
Refr.	0.00	+ 0.3
Comet ...	14 5 41.04	+57 13 19.7

Stern 2.

Lal. 25933	14h 0m 36.s66	+57° 11′ 2.″2
A. Z. C. 14267,8,9	36.29(3)	9.6(2)

Lal. ausgeschlossen.

1861.0	14h 0m 36.s29	+57° 11′ 9.″6
Reduct. .	+ 2.43	+ 2.1
Differ. ..	+ 5 17.01	+ 0 7.0
eig. Bew.	+ 0.01	— 0.2
Refr.	0.00	0.0
Comet ...	14 5 55.74	+57 11 18.5
Im Mittel	14 5 47.57	+57 12 25.8
Log. F. Par.	8.840	8.994

Comet +		Stern 1 —	
17 48 27.8	45.5	17 49 5.8	22.6
51 23.0	4.6	51 54.8	37.5
52 16.5	34.5	52 55.2	11.8
55 13.5	55.8	55 44.5	27.0
56 14.7	32.5	56 46.3	2.0
59 6.2	48.5	59 41.6	24.2
18 0 5.7	23.7	18 0 36.5	52.9
2 58.8	40.6	3 32.0	15.2
4 6.6	24.0	4 37.7	55.0
7 1.0	43.2	7 33.0	16.0
Comet —		**Stern 2 +**	
18 9 34.5	53.0	18 15 1.8	20.8
12 26.0	7.8	17 46.1	27.1
18 53.0	11.5	24 15.9	34.8
21 40.0	21.6	27 0.7	41.6
27 34.2	53.1	32 52.6	11.0
30 17.3	58.5	35 37.5	18.9
38 30.5	49.5	43 44.0	2.5
41 10.5	50.0	46 29.1	10.6
47 20.0	41.0	52 29.8	47.9
49 57.0	36.0	55 15.0	55.9

1861. 13. Juli. ♄

Differenz (Com. — St. 1).

— 0m 34.s95		
34.55	} +12′ 24.″9	
33.05		
31.95	} +11 59.3	
31.72		
— 0 33.24	+12 12.1	

Differenz (Com. — St. 2).

— 5m 23.s63	
21.73	} —14′ 5.″7
19.23	
16.43	} —14 50.6
13.63	—15 20.4
— 5 18.93	—14 38.6

Stern 1.

Piazzi 56	14h 13m 12.s31(8)	+56° 4′ 6.″1(9)
Taylor 7594	12.22(3)	3.8(3)
A. Z. C. 14455	12.85	4.4
Rümker 4661	12.22(1)	8.0(1)

	h	m	s
Mittel der Zeit St. 1 ...	18	13	42.8
Correct. der Uhr	+	4	20.1
Sternzeit	18	18	2.9
Mittlere Wien. Zeit ...	10	51	3.1

Stern 3 —		Comet +	
h m s	s	h m s	s
19 5 17.2	38.0	19 6 17.6	38.0
7 44.0	22.0	8 52.0	31.0
9 30.4	51.4	10 31.3	51.5
11 57.5	36.0	13 7.0	47.2
16 9.4	30.8	17 11.1	30.5
18 36.8	15.0	19 48.0	29.1
20 17.6	38.5	21 18.4	38.0
22 43.5	22.0	23 59.0	39.2
24 28.5	49.1	25 29.5	49.5
26 55.0	34.0	28 10.8	51.8
28 46.1	7.0	29 48.0	7.0
31 13.5	51.1	32 31.0	12.3
33 15.9	37.0	34 17.1	36.5
35 41.8	20.6	37 3.0	44.5

	h	m	s
Mittel der Zeit	19	22	1.8
Correct. der Uhr	+	4	20.1
Sternzeit	19	26	21.9
Mittlere Wien. Zeit ...	11	59	10.9

Stern 1 +		Comet +	
17 20 5.0	24.0	17 23 50.5	6.5
22 36.2	17.0	26 46.4	29.5
29 54.0	13.5	33 41.5	57.0
32 26.0	6.6	36 39.5	23.5

Stern 1 —		Comet —	
17 38 26.0	43.0	17 42 44.2	5.0
41 21.5	4.5	45 7.5	45.5
50 45.2	2.0	55 10.6	36.0
53 35.0	18.0	57 17.5	51.6

1861.0	14h 13m 12.s33	+56° 4′ 5.″6
Reduct. .	+ 2.46	+ 2.2
Differ. ..	— 33.24	+ 12 12.1
eig. Bew.	— 0.19	+ 5.1
Refr. ...	0.00	+ 0.2
Comet...	14 12 41.36	+56 16 25.2

Stern 2, W. M. B. (2.1).

1861.0	14h 18m 5.s78	+56° 29′ 49.″8
Reduct. .	+ 2.47	+ 2.4
Differ. ..	— 5 18.93	—14 38.6
eig. Bew.	+ 0.23	— 3.6
Refr....	— 0.01	— 0.2
Comet...	14 12 49.58	+56 15 9.8
Im Mittel	14 12 45.45	+56 15 47.5
Log. F. Par.	8.846	9.168

1861. 13. Juli. ♄

Differenz (Com. — St. 3).

+ 1m 4.s35 / 5.43	+16′ 48.″8
6.67 / 8.25	+16 27.0
8.75 / 10.15	+16 5.1
11.45	+15 45.4
+ 1 7.86	+16 21.0

Stern 3.

Piazzi 48	14h 11m 52.s18(7)	+55° 56′ 43.″8(7)
Taylor 7578	52.27(3)	41.1(3)
Rümker 4655	52.94(7)	42.4(7)
1861.0	14h 11m 52.s51	+55° 56′ 42.″7
Reduct. .	+ 2.45	+ 2.2
Differ. ..	+ 1 7.86	+ 16 21.0
eig. Bew.	— 0.24	+ 3.4
Refr.....	+ 0.03	+ 0.3
Comet...	14 13 2.61	+56 13 9.6
Log. F. Par.	8.893	9.479

1861. 14. Juli. ☉

Differenz (Com. — St. 1).

+ 3m 57.s67 / 4 0.35	— 3′ 9.″5
1.80	— 3 29.9
3.87	— 3 54.1
+ 4 0.92	— 3 25.7

Stern 2 —		Comet +	
h m s	s	h m s	s
18 1 17.9	37.0	18 7 15.5	33.5
3 56.0	36.9	9 59.0	41.5
11 53.6	12.8	17 51.9	9.1
14 31.0	12.1	20 38.0	21.0
21 19.6	37.0	27 27.0	45.0
24 6.0	48.0	30 8.4	49.7

	h m s
Mittel der Zeit	17 56 45.4
Correct. der Uhr	+ 4 22.9
Sternzeit	18 1 8.3
Mittlere Wien. Zeit ...	10 30 15.4

Differenz (Com. — St. 2).

+ 6m 0.s42 } 2.63 }	+14′ 19.″0
4.87	+13 44.0
+ 6 2.64	+14 7.3

Stern 1.

Fed. 2442	14h 14m 19.s24	+55° 30′ 16.″6
Gr. 2102	18.91(6)	14.6(6)
Johns. 3188	19.13(4)	16.1(3)
A. Z. C. 14464	18.98	16.3
Rümker 4664	19.13(1)	16.5(1)
1861.0	14h 14m 19.s03	+55° 30′ 15.″4
Reduct. .	+ 2.44	+ 2.2
Differ. ..	+ 4 0.92	— 3 25.7
eig. Bew.	— 0.05	+ 2.0
Refr. ...	— 0.01	— 0.1
Comet...	14 18 22.33	+55 26 53.8

Stern 2.

Fed. 2437	14h 12m 26.s97	+55° 11′ 22.″0
Johns. 3181	26.15(3)	20.0(3)
A. Z. C. 14447	26.34	19.6
1861.0	14h 12m 26.s35	+55° 11′ 20.″3
Reduct. .	+ 2.44	+ 2.1
Differ. ..	+ 6 2.64	+ 14 7.3
eig. Bew.	— 0.19	+ 3.5
Refr. ...	+ 0.01	+ 0.2
Comet...	14 18 31.25	+55 25 33.4
Im Mittel	14 18 26.15	+55 26 19.3
Log. F. Par.	8.811	9.058

Comet —		Stern 1 +	
17 2 53.6	10.0	17 5 17.5	35.0
5 29.0	12.0	7 50.2	33.0
8 56.6	15.0	11 19.1	35.0
11 31.0	12.5	13 54.3	35.4
14 15.1	33.3	16 34.8	52.0
16 47.5	28.8	19 8.6	51.6
20 12.8	31.5	22 22.9	38.4
22 32.5	13.6	25 3.8	47.8
25 45.0	5.0	27 52.7	8.7
28 4.0	43.5	30 35.0	19.1

Stern 2 —		Comet +	
17 49 17.6	36.5	17 53 4.0	25.0
51 45.0	26.7	55 27.0	8.0
56 4.7	23.0	59 52.0	9.8
58 30.9	13.5	18 2 15.0	56.5

1861. 17. Juli. ☿

Differenz (Com. — St. 1).

— 2m 22.s77 } 22.18 } 20.58 }	—14′ 27.″2
20.62 } 19.50 }	—14 51.6
— 2 21.13	—14 37.0

Differenz (Com. — St. 2).

+ 3m 44.s55 } 45.30 }	+16′ 11.″0
+ 3 44.92	

	h	m	s
Mittel der Zeit	17	27	38.9
Correct. der Uhr	+	4	59.7
Sternzeit	17	32	38.6
Mittlere Wien. Zeit	9	50	2.6

Stern 1, 2 W. M. B.

1861.0	14h 33m 27.s38	+53° 38′ 49.″4
Reduct.	+ 2.45	+ 2.6
Differ.	— 2 21.13	— 14 37.0
eig. Bew.	+ 0.14	— 1.8
Refr.	0.00	— 0.2
Comet	14 31 8.84	+53 24 13.0

Stern 2, 2 W. M. B.

1861.0	14h 27m 28.s05	+53° 6′ 53.″8
Reduct.	+ 2.44	+ 2.3
Differ.	+ 3 44.92	+ 16 11.0
eig. Bew.	— 0.16	+ 1.5
Refr.	0.00	+ 0.3
Comet	14 31 15.25	+53 23 8.9
Im Mittel	14 31 10.67	+53 23 54.7
Log. F. Par.	8.724	8.828

Comet +		Stern +	
h m s	s	h m s	s
18 24 35.0	52.0	18 26 41.7	0.0
27 8.0	50.0	28 58.2	39.7
29 21.5	38.0	31 27.1	46.6
31 55.0	38.0	33 45.5	26.6
34 41.5	58.8	36 47.8	6.9
37 16 0	59.0	39 5.1	46.1
Comet —		**Stern —**	
18 46 19.5	37.0	18 48 9.5	24.6
48 47.5	31.0	50 52.1	36.8
51 12.5	28.0	53 1.1	17.0
53 40.5	23.0	55 44.5	28.9
56 13.5	31.5	58 1.0	16.8
58 40.0	22.0	19 0 44.1	28.8
19 1 2.5	20.5	2 48.6	4.0
3 28.0	9.5	5 32.0	15.8

	h	m	s
Mittel der Zeit	18	44	35.7
Correct. der Uhr	+	5	4.6
Sternzeit	18	49	40.3
Mittlere Wien. Zeit	11	2	55.7

1861. 18. Juli. ♃

Differenz (Com. — St.).

— 1m 58.s65		
58.33	— 1′ 40.″2	
57.65		
57.00		
56.87	— 1 56.2	
55.92		
54.98	— 2 15.1	
— 1 57.06	— 1 54.7	

Stern.

Piazzi 164	14h 36m 30.s41(14)	+52° 50′ 5.″6(8)
Taylor 7784	30.62(3)	5.0(4)
A. Z. C. 14785	30.59	4.3
Rob. 3103	30.46(5)	4.6(5)
Rümk. 4800	30.56(2)	5.2(2)

1861.0	14h 36m 30.s46	+52° 50′ 5.″1
Reduct.	+ 2.45	+ 2.6
Differ.	— 1 57.06	— 1 54.7
eig. Bew.	+ 0.02	— 0.1
Refr.	0.00	0.0
Comet	14 34 35.87	+52 48 12.6
Log. F. Par.	8.818	9.334

Stern 1 —		Comet +	
18 29 52.5	12.1	18 30 16.0	34.0
32 2.0	42.0	32 31.5	12.5
32 52.5	12.8	33 16.0	34.5
35 2.0	42.5	35 34.0	13.0

1861. 19. Juli. ♀

Differenz (Com. — St. 1).

+ 0m 26.s35	
26.92	+17′ 41.″8
30.s30	
30.95	+16′ 49.″5
31.75	
+ 0 29.25	+17 10.4

Comet —		Stern 2 +	
h m s	s	h m s	s
18 37 33.0	48.0	18 38 58.4	14.1
40 8.0	51.5	41 33.4	17.4
42 2.6	18.0	43 26.7	42.5
44 36.5	20.4	46 2.2	46.8
46 24.0	41.0	47 46.8	3.0
48 57.2	41.1	50 23.0	7.5
50 51.2	7.5	52 13.4	29.0
53 23.5	7.6	54 49.1	33.4
55 22.5	39.0	56 44.5	0.0
57 54.5	38.0	59 20.2	3.9
19 0 13.5	30.0	19 1 33.5	49.5
2 44.5	27.8	4 9.5	53.6

Stern 1 —		Comet +	
19 8 31.8	51.0	19 8 58.0	16.0
10 45.0	25.5	11 19.5	1.0
11 46.8	6.8	12 13.0	31.0
13 59.5	40.1	14 35.0	18.0
15 12.0	32.5	15 38.5	56.5
17 25.2	6.3	18 3.0	45.0

	h m s
Mittel der Zeit	18 53 17.9
Correct. der Uhr	+ 5 10.6
Sternzeit	18 58 28.5
Mittlere Wien. Zeit	11 7 46.6

Differenz (Com. — St. 2).

— 1m 25.s70, 25.18, 24.25	—13′ 6.″5
23.77, 23.65, 22.57	—13 23.6
— 1 24.18	—13 15.0

Stern 1, Fed. 2508.

1861.0	14h36m59.s03	+51° 59′ 44.″6
Reduct...	+ 2.44	+ 2.5
Differ. ..	+ 0 29.25	+ 17 10.4
eig. Bew.	— 0.12	+ 1.3
Refr.....	+ 0.02	+ 0.3
Comet...	14 37 30.62	+52 16 59.1

Stern 2.

Fed. 2514	14h38m51.s64	+52° 30′ 4.″7
Lal. 26891	51.07	23.6
A. Z. C. 14812	51.30	11.4
1861.0	14h38m51.s34	+52° 30′ 13.″2
Reduct. .	+ 2.44	+ 2.6
Differ. ..	— 1 24.18	— 13 15.0
eig. Bew.	+ 0.11	— 1.9
Refr.....	— 0.01	— 0.2
Comet...	14 37 29.70	+52 16 58.7
Im Mittel	14 37 30.12	+52 16 58.9
Log. F. Par.	8.819	9.373

Stern —		Comet —	
17 32 48.3	59.0	17 38 18.5	32.5
35 25.5	13 7	40 39.5	27.0
41 27.8	40.0	46 59.5	13.3
44 6.5	54.5	49 20.5	7.0

Stern +		Comet —	
17 50 37.3	49.5	17 56 0.5	13.5
53 15.3	3.8	58 39.5	26.4
59 20.5	32.8	18 4 44.5	57.5
18 1 58.9	47.0	7 22.5	9.5
7 54.0	6.7	13 19.0	32.0
10 32.8	20.1	15 56.5	43.5
16 57.8	10.0	22 22.0	35.5
19 36.0	23.6	25 1.0	48.0

1861. 2. August. ♀

Differenz (Com. — St.).

+ 5m 22.s50	....
22.87	....
23.50	....
23.70	....
24.31	....
24.77	....
+ 5 23.61	....

Stern.

Fed. 2556	14h55m55.s60	+47°49′47.″3
A. Z. C. 15025	54.08	39.8
Johns. 3306	54.28(5)	40.2(4)
Groombr. 2176	54.19(6)	40.0(6)

Fedor. ausgeschlossen.

	h	m	s
Mittel der Zeit	18	1	33.7
Correct. der Uhr	+ 1	43	29.0
Sternzeit	19	45	2.7
Mittlere Wien. Zeit ...	10	59	10.4

1861.0	$14^h 55^m 4.^s22$	....
Reduct.	+ 2.24	....
Differ. ..	+ 5 23.61	....
eig. Bew.	0.00	....
Refr. ...	0.00	....
Comet ...	15 0 30.07	....
Log. F. Par.	8.796	....

Comet —		Stern +	
h m s	s	h m s	s
20 26 2.0	18.0	20 29 50.4	3.1
28 7.0	51.5	31 55.3	42.0
32 18.5	34.5	36 5.9	19.0
34 21.5	7.5	38 12.0	58.5
38 50.5	6.5	42 37.1	50.0
40 54.0	38.5	44 43.5	30.6
45 7.0	23.5	48 52.8	6.3
47 9.5	53.5	50 59.5	46.5

	h	m	s
Mittel der Zeit	20	36	36.5
Correct. der Uhr	—	10	34.2
Sternzeit	20	26	2.3
Mittlere Wien. Zeit ...	8	11	40.2

Die Beobachtung durch den aufgehenden Mond beeinträchtigt.

1861. 24. September. ♂

Differenz (Com. — St.).

$— 3^m 48.^s08$ 48.35	$—14' \ 6.''8$
47.98 47.90	—14 8.8
— 3 48.07	—14 7.8

Stern, 2 W. M. B.

1861.0	$16^h 6^m 58.^s82$	$+42° 12' 13.''2$
Reduct.	+ 1.35	+ 4.9
Differ. ..	— 3 48.07	— 14 7.8
eig. Bew.	+ 0.01	— 1.0
Refr. ...	— 0.02	— 0.3
Comet ...	16 3 12.09	+41 58 9.0
Log. F. Par.	8.736	9.569

Comet +		Stern +	
20 45 47.5	1.0	20 47 24.0	37.0
48 0.0	46.5	49 29.0	15.8
49 52.5	5.5	51 27.0	39.3
52 5.0	50.5	53 32.3	19.6
54 31.5	44.5	56 5.6	18.5
56 45.0	30.5	58 11.6	58.7
58 30.0	43.0	21 0 4.4	17.4
21 0 44.0	30.1	2 10.6	57.8

Comet —		Stern —	
21 8 16.0	30.0	21 9 44.5	57.0
10 21.0	6.8	11 55.0	41.9
12 47.6	2.5	14 16.5	29.0
14 54.0	39.5	16 27.1	14.0
20 34.5	49.0	22 1.9	15.0
22 38.6	23.0	24 11.2	58.8
24 53.0	8.5	26 20.7	33.6
26 58.0	43.0	28 30.4	17.0

	h	m	s
Mittel der Zeit	21	5	28.5
Correct. der Uhr	—	9	57.8
Sternzeit	20	55	30.7
Mittlere Wien. Zeit ...	8	17	28.3

1861. 30. September. ☾

Differenz (Com. — St.).

$— 1^m 32.^s70$ 31.18	$— 1' \ 4.''8$
30.72 30.78	— 1 11.6
31.15 30.75	— 0 58.0
30.45 29.77	— 1 0.6
— 1 30.94	— 1 3.8

Stern.

L.29765	$16^h 12^m 54.^s87$	$+41° 46' 17.''9$
W. M. B.	55.21(2)	18.7(1)

Lal. ausgeschlossen.

1861.0	$16^h 12^m 55.^s21$	$+41° 46' 18.''7$
Reduct.	+ 1.25	+ 4.7
Differ. ...	— 1 30.94	— 1 3.8
eig. Bew.	0.00	+ 0.3
Refr. ...	0.00	0.0
Comet ...	16 11 25.52	+41 45 19.9
Log. F. Par.	8.750	9.615

Stern 1 +		Comet —	
h m s	s	h m s	s
21 16 38.0	55.1	21 17 38.0	59.0
18 21.5	4.7	19 21.0	59.5
20 15.1	32.0	21 17.0	37.0
21 59.5	42.8	22 58.0	36.0
23 20 6	37.5	24 21.5	42.0
25 5.3	48.7	26 6.0	42.0
26 35.1	52.0	27 38.0	1.0
28 21.3	4.5	29 22.0	59.5
30 0.9	17.0	31 5.0	26.0
31 46.7	30.5	32 45.0	24.0
33 52.0	8.4	34 57.0	19.5
35 38.9	22.8	36 40.0	14.0

Comet —		Stern 2 +	
21 39 29.5	41.0	21 40 27.0	39.0
41 53.5	40.0	42 59.0	48.0
46 42.5	55.0	47 50.8	1.9
49 6.0	54.0	50 13.1	1.5
51 10.0	22.0	52 14.6	26.3
53 31.5	18.5	54 37.1	26.0
56 45.0	57.0	57 55.0	7.5
59 1.2	50.0	22 0 12.5	1.4
22 1 9.0	22.5	2 14.0	25.6
3 31.5	19.0	4 36.9	25.5

Für Decl.

	h m s
Mittel der Zeit	21 27 0.3
Correct. der Uhr	— 9 48.3
Sternzeit	21 17 12.0
Mittlere Wien. Zeit ...	8 27 18.4

Für AR.

	h m s
Mittel der Zeit	21 52 [illegible]3.9
Correct. der Uhr	— 9 48.3
Sternzeit	21 42 25.6
Mittlere Wien. Zeit	8 52 27.8

Nebelig.

Stern —		Comet +	
21 51 7.5	24.0	21 52 9.0	25.0
52 55.5	39.0	54 12.0	56.0
54 29.7	46.0	55 30.0	44.0
56 15.6	59.0	57 33.0	17.5
59 39.2	56.4	22 0 35.0	51.0
22 1 20.5	2.8	2 42.5	26.0
3 2.8	20.6	4 0.0	16.0
4 44.7	27.5	6 7.0	52.5

1861. **3. October.** ♃

Differenz (Com. — St. 1).

..	.....	
	.....	— 19′ 8.″5
	.....	
	.....	
	.....	—19 2.1
	.....	
..	.....	—19 5.3

Differenz (Com. — St. 2).

— 1m 2.s25	....
7.45	....
5.50	....
10.80	....
5.00	....
— 1 6.20	....

Stern 1, 1 W. M. B.

1861.0	16h 14m 37.s41	+41° 59′ 42.″3
Reduct. .	....	+ 4.4
Differ. .	....	— 19 5.3
eig. Bew.	....	— 0.3
Refr.	....	— 0.5
Comet ...	....	+41 40 40 6
Log. F. Par.	....	9.650

Stern 2, L. 29874.

1861.0	16h 16m 45.s10	+41° 45′ 57.″8
Reduct. .	+ 1.20	....
Differ. ..	— 1 6.20	....
eig. Bew.	0.00	....
Refr.	— 0.02	....
Comet ..	16 15 40.08	....
Log. F. Par.	8.768	....

1861. **4. October.** ♀

Stern —		Comet +	
h m s	s	h m s	s
22 6 37.0	55.1	22 7 33.0	49.0
8 17.6	59.6	9 42.0	26.0
11 27.4	46.0	12 23.0	37.0
13 6.1	48.0	14 30.0	16.5
14 54.0	13.0	15 48.5	2.0
16 32.0	13.0	17 57.0	43.0
18 31.5	51.0	19 26.0	40.0
20 9.5	50.0	21 34.0	21.5
21 54.8	13.4	22 49.0	3.0
23 32.0	12.4	24 57.0	44.0
25 31.0	50.5	26 24.5	38.0
27 7.0	48.0	28 33.5	21.0
31 16.1	35.2	32 9.5	24.0
32 51.5	31.9	34 19.0	5.5
34 34.5	54.0	35 27.0	39.5
36 8.8	49.0	37 37.5	24.5

	h	m	s
Mittel der Zeit	21	14	45.1
Correct. der Uhr	—	9	30.8
Sternzeit	21	5	14.3
Mittlere Wien. Zeit ...	8	11	26.7

Differenz (Com. — St.).

+ 1m 9.s00, 8.55	+16′ 23.″5
8.90, 9.98	+16 21.4
10.18, 9.75	+16 19.9
9.62, 10.25	+16 17.2
10.10, 10.13	+16 18.3
10.83, 10.54	+16 12.4
+ 1. 9.82	+16 18.8

Stern.

Lal. 29852	16h 15m 55.s74	+41° 22′ 56.″0
B. Z. 418	56.16	51.0

Lal. halbes Gewicht.

1861.0	16h 15m 56.s02	+41° 22′ 52.″7
Reduct. .	+ 1.19	+ 4.3
Differ....	+ 1 9.82	+16 18.8
eig. Bew.	0.00	+ 1.1
Refr.....	+ 0.03	+ 0.4
Comet...	16 17 7.06	+41 39 17.3
Log. F. Par.	8.753	9.623

Stern +		Comet —	
20 56 13.0	27.0	20 57 12.0	28.0
58 14.0	0.1	59 23.0	7.0
59 50.8	4.5	21 0 51.0	5.0
21 1 52.5	38.6	3 0.5	44.0
3 16.0	29.5	4 17.0	31.0
5 18.0	4.2	6 25.0	10.5
6 59.6	13.0	8 1.0	17.0
9 2.4	48.5	10 8.5	54.0
10 48.1	1.7	11 51.0	6.0
12 51.0	37.8	13 58.0	41.0
26 52.8	6.4	27 59.0	16.0
28 58.7	45.2	30 2.0	45.0

	h	m	s
Mittel der Zeit	21	9	25.5
Correct. der Uhr	—	9	24.2
Sternzeit	21	0	1.3
Mittlere Wien. Zeit ...	7	54	26.9

1861. 7. October. ☾

Differenz (Com. — St.).

+ 1m 3.s97, 3.52, 3.96	—13′ 43.″7
4.24, 4.35	—13 55.8
4.73	—14 13.9
+ 1 4.13	—13 52.8

Stern, 2 W. M. B.

1861.0	16h 20m 16.s73	+41° 50′ 15.″7
Reduct. .	+ 1.12	+ 4.4
Differ. .	+ 1 4.13	— 13 52.8
eig. Bew.	0.00	— 1.0
Refr. ...	— 0.02	— 0.3
Comet...	16 21 21.96	+41 36 26.0
Log. F. Par.	8.746	9.604

Stern +		Comet —	
h m s	s	h m s	s
23 37 1.0	14.4	23 38 13.0	28.0
39 3.5	50.1	40 20 0	4.0
44 29.4	43.6	45 43.0	57.0
46 32.6	19.5	47 49.0	33.0
50 58.3	11.7	52 10.5	25.5
53 0.5	47.5	54 18.0	3.0
57 48.0	2.4	59 0.0	15.0
59 50.5	36.8	0 1 9.0	54.0
0 12 33.0	47.0	13 47.0	1.0
14 35.5	22.0	15 54.0	38.0

	h m s
Mittel der Zeit	23 54 50.1
Correct. der Uhr	— 9 24.2
Sternzeit	23 45 25.9
Mittlere Wien. Zeit ...	10 39 24.4

1861. 7. October. ☾

Differenz (Com. — St.).

+ 1m 14.s00		
14.23	—14′ 0.″8	
14.75		
15.08	—13 51.7	
15.62		
+ 1 14.74	—13 57.2	

Stern ¶ (= Stern wie oben).

1861.0	16h 20m 16.s73	+41° 50′ 15.″7
Reduct.	+ 1.12	+ 4.4
Differ.	+ 1 14.74	— 13 57.2
eig. Bew.	0.00	— 1.0
Refr.	— 0.19	— 1.4
Comet	16 21 32.40	+41 36 20.5
Log. F. Par.	8.744	9.855

Stern +		Comet —	
20 51 55.5	8.8	20 54 30.5	44.0
54 1.6	48.6	56 28.0	13.0
57 6.0	19.6	59 40.5	56.5
59 12.2	59.0	21 1 39.5	24.0
21 2 32.5	45.9	5 4.0	18.0
4 34.0	20.4	7 4.0	50.0
10 41.0	54.6	13 13.5	26.0
12 43 7	30.0	15 15.5	1.0
15 48.0	1.9	18 22.0	35.0
17 50.6	37.5	20 22.5	7.0
20 44.8	58.0	23 17.5	33.0
22 47.5	34.4	25 19.0	4.0
25 55.0	8.4	28 29.0	44.0
27 58.1	44.8	30 29.0	14.5
31 2.1	15.1	33 37.0	53.0
33 6.2	52.5	35 36.0	23.5
36 2.1	15.8	38 36.5	52.0
38 5.5	51.8	40 37.0	23.5
41 44.8	58.0	44 20.0	36.0
43 48.8	35.6	46 19.5	4.0

	h m s
Mittel der Zeit	21 20 55.1
Correct. der Uhr	— 9 22.6
Sternzeit	21 11 32.5
Mittlere Wien. Zeit	8 2 0.2

1861. 8. October. ♂

Differenz (Com. — St.).

+ 2m 30.s26	
31.07	—14′ 30.″6
30.80	
31.68	—14 40.8
32.12	
32.20	
32.54	—14 40.9
33.40	
33.45	
33.08	—14 42.4
+ 2 32.06	—14 39.1

Stern (= Stern vom 7. October).

1861.0	16h 20m 16.s73	+41° 50′ 15.″7
Reduct.	+ 1.10	+ 4.2
Differ.	+ 2 32.06	— 14 39.1
eig. Bew.	0.00	— 0.8
Refr.	— 0.03	— 0.3
Comet	16 22 49.86	+41 35 39.7
Log. F. Par.	8.752	9.626

Comet + h m s	s	Stern + h m s	s
21 42 58.0	12.0	21 45 31.6	45.0
45 9.0	51.5	47 32.8	19.1
51 32.5	47.0	54 4.5	18.0
53 45.6	30.0	56 8.0	54.2
56 53.0	6.0	59 22.5	36.8
59 4.0	50.5	22 1 26.2	12.5
22 3 56.0	9.0	6 26.6	39.8
6 7.0	52.0	8 30.0	16.2
9 0.0	14.0	11 31.4	45.0
11 11.0	57.0	13 34.8	21.8
Comet —		**Stern —**	
22 19 13.0	31.0	22 21 38.0	52.0
21 12.0	52.5	23 42.0	28.4
24 28.0	40.0	26 50.0	3.0
26 34.5	19.5	29 3.0	50.1
30 15.5	30.5	32 37.7	50.0
32 22.0	6.0	34 49.6	37.0
36 46.0	59.0	39 9.0	21.9
38 56.0	40.0	41 21.7	9.3
41 52.5	7.0	44 16.8	29.0
44 2.0	47.0	46 29.0	16.1

	h m s
Mittel der Zeit	22 14 45.5
Correct. der Uhr	— 8 53.5
Sternzeit	22 5 52.0
Mittlere Wien. Zeit	7 49 20.4

1861. 25. October. ♀

Differenz (Com. — St.).

— 2m 29.s50	
27.40	
26.12	— 1′ 10.″0
27.15	
27.75	
27.98	— 1 5.4
26.02	
25.08	
25.22	— 1 0.0
25.60	
— 2 26.78	— 1 5.5

Stern, 1 W. M. B.

1861.0	16h51m 1.s18	+41° 45′ 19.″4
Reduct.	+ 0.86	+ 4.8
Differ.	— 2 26.78	— 1 5.5
eig. Bew.	0.00	+ 0.1
Refr.	0.00	0.0
Comet	16 48 35.26	+41 44 18.8
Log. F. Par.	8.767	9.675

Comet +		Stern +	
21 14 30.5	46.0	21 15 26.2	39.0
16 41.0	25.5	17 36.5	24.5
18 18.5	32.0	19 13.7	26.0
20 29.5	14.0	21 25.5	13.0
22 6.0	19.5	23 0.4	12.0
24 15.0	6.0	25 11.0	59.4
27 21.0	33.0	28 12.5	25.0
29 27.0	14.5	30 24.6	11.5
31 55.0	9.0	32 49.6	1.6
34 7.0	53.0	35 1.2	49.0

1861. 26. October. ♄

Differenz (Com. — St.).

— 0m 55.s80	
56.05	
55.58	+ 0′ 33.″0
54.52	
54.25	
53.62	
53.15	
55.05	+ 0 49.8
53.33	
52.48	
— 0 54.38	+ 0 41.4

Comet —		Stern —	
h m s	s	h m s	s
21 38 9.0	23.0	21 39 5.4	18.6
40 18.0	3.0	41 8.5	55.0
43 46.0	0.0	44 41.1	55.0
45 54.0	39.0	46 45 0	30 5
52 23.0	39.0	53 23.8	38.0
54 36.0	22.0	55 26.0	12.4
56 36.0	52.0	57 32.5	46.7
58 44.0	29.5	59 34.8	20.8
22 0 13.5	28.5	22 1 9.0	23.8
2 21.5	7.0	3 10.6	57.0

	h m s
Mittel der Zeit	21 37 36.5
Correct. der Uhr	— 8 50.6
Sternzeit	21 28 45.9
Mittlere Wien. Zeit ...	7 8 24.5

Stern (= Stern vom 25. October).

1861.0	16h 51m 1.s18	+41° 45′ 19.″4
Red.	+ 0.84	+ 4.6
Differ. ..	— 54.38	+ 41.4
eig. Bew.	0.00	0.0
Refr. ...	0.00	0.0
Comet...	16 50 7.64	+41 46 5.4
Log. F. Par.	8.747	9.605

ZONENBEOBACHTUNGEN

AM

MITTAGSROHRE.

1. Columne: fortlaufende Nummer.
2. » Grösse des Sternes.
3. » beobachtete lichte Linie.
4. » Uhrzeit des Antrittes an diese Linie.
5. » Uhrzeit des Durchganges am imaginären Mittelfaden.
6. » am Zonenbogen gelesene Zahlen.
7. » Declination aus vorläufig angenommenem Nullpuncte.

(Siehe Jahrgang 1857, pag. XXII.)

Zone 44. **1856. 2. December. ♂**

Decl. + 15° 31′ bis 16° 6′.

			m	s	h	m	s			°	′	″	
1	11	5	33	9.8	0	33	8.50	235	10	16	10	35.0	
2	11	6		35.5		33	25.16	224	48	16	5	24.0	
3	10	3	34	37.0		34	48.80	220	33	16	3	16.5	
4	10	5		49.0		34	47.70	227	38	16	6	49.0	
5	9	5	35	9.1		35	7.80	218	48	16	2	24.0	dupl. seq.
6	8	4		28.4		35	36.17	203	00	15	54	30.0	
7	10	3	36	23.4		36	40.21	231	00	16	8	30.0	
8	10	6		47.0		36	36.65	234	24	16	10	12.0	
9	10	7	37	2.2		36	42.79	205	02	15	55	31.0	
10	11	8		20.8		36	52.33	208	40	15	57	20.0	
11	10	4		44.0		37	51.77	217	18	16	1	39.0	
12	10	6	38	33.0		38	22.66	222	37	16	4	18.5	
13	10	3		51.0		39	7.79	196	16	15	51	8.0	
14	11	4	39	31.0		39	38.76	180	48	15	43	24.0	
15	11	5	40	0.5		39	59.20	229	11	16	7	35.5	
16	11	3		20.5		40	37.29	202	30	15	54	15.0	
17	11	6		35.0		40	24.67	193	56	15	49	58.0	
18	10	4		48.4		40	56.17	205	20	15	55	40.0	
19	10	4		58.0		41	5.77	205	49	15	55	54.5	
20	11	3	41	13.0		41	29.80	210	10	15	58	5.0	
21	11	6		41.0		41	30.67	181	41	15	43	50.5	
22	11	4	42	1.8		42	9.56	173	20	15	39	40.0	
23	11	4		22.4		42	30.16	164	11	15	35	5.5	
24	11	5		36.4		42	35.10	160	00	15	33	0.0	
25	9	6		59.2		42	48.88	192	43	15	49	21.5	
26	11	5	43	49.0		43	47.70	202	11	15	54	5.5	
27	9	6	44	42.9		44	32.55	209	50	15	57	55.0	dupl. praec.
28	11	7		55.5		44	36.08	213	38	15	59	49.0	
29	10	6	45	18.0		45	7.66	220	23	16	3	11.5	
30	10	4		35.5		45	43.27	208	38	15	57	19.0	
31	11	4	46	0.6		46	8.37	201	06	15	53	33.0	
32	10	5		16.0		46	14.70	201	22	15	53	41.0	
33	10	7		33.5		46	14.08	208	33	15	57	16.5	
34	10	4	47	33.2		47	40.96	192	18	15	49	9.0	
35	11	7		53.0		47	33.58	208	16	15	57	8.0	
36	11	3	48	7.8		48	24.60	213	31	15	59	45.5	
37	10	4		36.0		48	43.75	169	29	15	37	44.5	
38	10	8		55.0		48	26.59	160	06	15	33	3.0	
39	10	4	49	9.2		49	16.96	192	45	15	49	22.5	
40	11	7		30.5		49	11.08	208	05	15	57	2.5	
41	10	8		51.0		49	22.51	229	11	16	7	35.5	
42	10	4	50	10.0		50	17.76	192	40	15	49	20.0	
43	10	4		30.0		50	37.76	198	29	15	52	14.5	
44	10	3		42.2		50	58.99	200	07	15	53	3.5	
45	10	3		56.8		51	13.58	186	43	15	46	21.5	
46	9	5	51	13.0		51	11.70	162	00	15	34	0.0	dupl. austr.
47	11	8		42.0		51	13.56	186	36	15	46	18.0	

			m s	h m s			° ' "	
48	10	4	51 55.9	0 52 3.66	189	22	15 47 41.0	
49	11	8	52 15.0	51 46.52	221	00	16 3 30.0	
50	11	8	53 19.0	52 50.54	197	39	15 51 49.5	
51	9	5	33.4	53 32.10	204	09	15 55 4.5	
52	11	4	58.0	54 5.76	197	30	15 51 45.0	
53	11	7	54 44.5	54 25.11	176	00	15 41 0.0	
54	11	4	55 10.3	55 18.06	182	39	15 44 19.5	
55	11	8	56 3.8	55 35.34	201	24	15 53 42.0	
56	11	6	19.4	56 9.06	205	00	15 55 30.0	
57	11	7	47.0	56 27.58	213	08	15 59 34.0	
58	10	5	57 17.5	57 16.20	203	10	15 54 35.0	
59	11	5	52.5	57 51.20	162	01	15 34 0.5	
60	11	7	58 42.0	58 22.58	218	10	16 2 5.0	
61	11	4	59 12.0	59 19.77	217	32	16 1 46.0	
62	10	7	27.3	59 7.89	199	00	15 52 30.0	
63	11	4	0 49.0	1 0 56.77	223	05	16 4 32.5	
64	11	8	1 37.4	1 8.99	160	11	15 33 5.5	
65	10	3	2 57.9	3 14.67	173	09	15 39 34.5	
66	10	8	3 25.2	2 56.75	196	51	15 51 25.5	dupl. praec.
67	10	7	46.0	3 26.59	201	39	15 53 49.5	dupl. seq.
68	10	6	59.0	3 48.66	206	39	15 56 19.5	
69	10	8	4 16.0	3 47.55	194	10	15 50 5.0	
70	11	7	46.0	4 26.60	188	02	15 47 1.0	
71	10	5	5 28.0	5 26.70	217	54	16 1 57.0	
72	11	8	49.0	5 20.52	221	00	16 3 30.0	
73	11	3	6 19.0	6 35.78	185	45	15 45 52.5	
74	11	5	7 7.0	7 5.70	198	11	15 52 5.5	
75	9	3	8 32.3	8 49.11	226	10	16 6 5.0	
76	11	4	47.2	8 54.97	216	54	16 1 27.0	
77	11	5	10 17.0	10 15.70	226	31	16 6 15.5	
78	11	4	45.2	10 52.97	210	28	15 58 14.0	
79	10	4	11 0.0	11 7.77	205	30	15 55 45.0	
80	11	4	18.0	11 25.77	208	00	15 57 0.0	
81	10	4	33.2	11 40.97	219	50	16 2 55.0	
82	10	5	59.0	11 57.70	207	43	15 56 51.5	
83	10	6	12 25.5	12 15.18	174	18	15 40 9.0	
84	10	5	50.2	12 48.90	187	35	15 46 47.5	
85	11	4	13 32.5	13 40.26	196	13	15 51 6.5	
86	10	5	14 13.0	14 11.70	210	30	15 58 15.0	
87	10	6	39.2	14 28.88	173	20	15 39 40.0	
88	10	3	15 0.0	15 16.77	164	18	15 35 9.0	

Zone 45. 1856. 17. December. ☿

Decl. + 15° 31′ bis 16° 6′.

1	11	4	32 35.0	0 32 42.77	225	21	16 5 40.5	
2	11	4	55.8	33 3.58	235	14	16 10 37.0	
3	11	5	33 21.0	33 19.70	224	53	16 5 26.5	
4	10	4	34 36.0	34 43.77	220	40	16 3 20.0	
5	10	7	35 2.0	34 42.57	227	35	16 6 47.5	
6	10	6	13.0	34 52.66	218	49	16 2 24.5	

			m s	h m s		° ' ''
7	11	8	35 27.2	0 34 58.73	219 24	16 2 42.0
8	9	6	42.0	35 31.66	203 00	15 54 30.0
9	11	5	36 15.0	36 13.70	170 00	15 38 0.0
10	11	6	33.0	36 22.68	165 25	15 35 42.5
11	10	7	57.0	36 37.58	205 01	15 55 30.5
12	10	3	37 29.4	37 46.20	217 20	16 1 40.0
13	11	6	53.5	37 43.15	231 02	16 8 31.0
14	11	4	38 9.4	38 17.17	222 39	16 4 19.5
15	10	4	55.0	39 2.76	196 11	15 51 5.5
16	11	3	39 17.0	39 33.78	180 52	15 43 26.0
17	10	3	41.2	39 57.97	167 49	15 36 54.5
18	10	5	40 1.0	39 59.70	174 20	15 40 10.0
19	11	6	30.0	40 19.68	193 57	15 49 58.5
20	10	5	52.8	40 51.50	205 20	15 55 40.0
21	10	6	41 11.1	41 0.76	205 40	15 55 50.0
22	11	5	26.0	41 24.70	210 20	15 58 10.0
23	11	4	57.0	42 4.76	173 29	15 39 44.5
24	11	4	42 17.0	42 24.75	164 12	15 35 6.0
25	9	5	45.0	42 43.70	192 43	15 49 21.5
26	10	8	44 16.0	43 47.50	237 20	16 11 40.0
27	9	6	37.6	44 27.26	209 52	15 57 56.0
28	10	4	55.0	45 2.77	220 28	16 3 14.0
29	9	3	45 21.5	45 38.30	208 36	15 57 18.0
30	10	5	58.2	45 56.90	154 02	15 30 1.0
31	11	5	46 30.5	46 29.20	192 12	15 49 6.0
32	11	4	47 18.0	47 25.77	220 23	16 3 11.5
33	8	4	35.0	47 42.78	233 33	16 9 46.5
34	10	8	48 4.8	47 36.35	192 22	15 49 11.0
35	11	3	22.0	48 38.77	169 29	15 37 44.5
36	10	7	41.0	48 21.62	160 04	15 33 2.0
37	10	4	49 4.8	49 12.56	192 48	15 49 24.0
38	10	6	27.6	49 17.25	229 15	16 7 37.5
39	10	3	55.8	50 12.59	192 42	15 49 21.0
40	10	8	50 21.9	49 53.49	166 19	15 36 9.5
41	11	7	53.0	50 33.59	198 36	15 52 18.0
42	11	7	51 13.5	50 54.09	200 12	15 53 6.0
43	11	4	34.0	51 41.77	221 01	16 3 30.5
44	11	6	48.0	51 37.66	225 16	16 5 38.0
45	10	8	52 4.0	51 35.51	233 30	16 9 45.0
46	11	4	22 0	52 29.77	216 31	16 1 15.5
47	11	5	37.0	52 35.70	208 51	15 57 25.5
48	11	6	56.0	52 45.67	197 40	15 51 50.0
49	9	3	53 10.1	53 26.89	204 15	15 55 7.5
50	10	5	39.0	53 37.70	170 10	15 38 5.0
51	11	4	54 12.2	54 19.96	176 00	15 41 0.0
52	11	7	36.5	54 17.09	194 54	15 50 27.0
53	10	7	58.0	54 38.58	205 52	15 55 56.0
54	11	6	55 20.1	55 9.75	232 09	16 9 4.5
55	10	5	41.2	55 39.90	220 51	16 3 25.5
56	11	8	56 0.2	55 31.73	210 00	15 58 0.0
57	10	6	14.5	56 4.16	205 06	15 55 33.0
58	11	6	33.0	56 22.66	213 10	15 59 35.0

			m s	h m s			° ' "	
59	11	7	56 51.0	0 56 31.57	228	31	16 7 15.5	dupl. seq.
60	10	6	57 22.0	57 11.66	203	12	15 54 36.0	
61	11	6	56.2	57 45.88	162	01	15 34 0.5	
62	11	5	58 36.5	58 35.20	197	55	15 51 57.5	
63	10	4	54.8	59 2.57	199	10	15 52 35.0	
64	11	5	59 16.0	59 14.70	217	40	16 1 50.0	
65	11	8	57.8	59 29.37	180	19	15 43 9.5	
66	11	7	0 26.4	1 0 7.03	153	16	15 29 38.0	
67	10	6	48.1	0 37.78	174	04	15 40 2.0	
68	11	6	1 23.5	1 13.16	204	11	15 55 5.5	
69	11	4	2 18.5	2 26.26	177	40	15 41 50.0	
70	10	4	3 1.3	3 9.06	173	14	15 39 37.0	
71	10	8	19.9	2 51.44	197	00	15 51 30.0	dupl. praec.
72	11	7	40.8	3 21.39	201	40	15 53 50.0	dupl. seq.
73	10	7	4 1.2	3 41.79	194	14	15 50 7.0	
74	10	8	11.2	3 42.74	206	40	15 56 20.0	
75	11	7	40.8	4 21.40	188	08	15 47 4.0	dupl. praec.
76	9	6	5 31.8	5 21.46	217	55	16 1 57.5	
77	11	4	6 0.5	6 8.27	209	20	15 57 40.0	
78	10	5	31.2	6 29.90	185	50	15 45 55.0	
79	11	7	50.2	6 30.81	179	16	15 42 38.0	
80	11	8	7 29.0	7 0.54	198	20	15 52 10.0	
81	11	8	58.0	7 29.52	231	10	16 8 35.0	
82	11	7	8 27.0	8 7.59	207	40	15 56 50.0	
83	10	4	42.0	8 49.77	217	01	16 1 30.5	
84	9	6	54.1	8 43.76	226	10	16 6 5.0	
85	10	4	9 52.1	9 59.85	169	20	15 37 40.0	
86	10	4	10 11.0	10 18.76	183	30	15 44 45.0	
87	11	3	26.5	10 43.30	206	07	15 56 3.5	
88	10	5	49.0	10 47.70	210	25	15 58 12.5	
89	10	5	11 3.4	11 2.10	205	31	15 55 45.5	
90	11	5	22.1	11 20.80	208	03	15 57 1.5	
91	10	4	44.2	11 51.97	207	51	15 56 55.5	
92	11	6	12 20.2	12 9.88	174	21	15 40 10.5	
93	11	7	36.0	12 16.62	171	50	15 38 55.0	
94	11	7	52.0	12 32.61	180	00	15 43 0.0	
95	10	7	13 3.1	12 43.70	187	40	15 46 50.0	
96	10	4	21.3	13 29.06	180	39	15 43 19.5	
97	10	4	35.0	13 42.76	173	40	15 39 50.0	
98	11	6	54.2	13 43.88	176	30	15 41 15.0	
99	10	4	14 15.8	14 23.56	173	25	15 39 42.5	

Zone 46. 1856. 17. December. ☿

Decl. + 15° 1' bis 15° 31'.

1	10	5	30 42.2	1 30 40.91	115	09	15 10 34.5	
2	10	8	52..	30 24...	104	00	15 5 0.0	
3	11	3	31 15.0	31 31.73	111	39	15 8 49.5	
4	11	4	32.0	31 39.73	108	00	15 7 0.0	
5	10	4	32 19.0	32 26.73	106	33	15 6 16.5	
6	11	5	42.0	32 40.71	105	36	15 5 48.0	

			m s	h m s			° ′ ″
7	10	4	33 10.5	1 33 18.24	124	30	15 15 15.0
8	11	8	57.5	33 29.10	153	57	15 29 58.5
9	11	8	34 17.5	33 49.09	161	32	15 33 46.0
10	10	6	36.2	34 25.89	153	50	15 29 55.0
11	11	5	51.1	34 49.80	155	33	15 30 46.5
12	10	4	35 11.2	35 18.95	139	06	15 22 33.0
13	10	6	38.0	35 27.69	145	45	15 25 52.5
14	11	5	36 47.2	36 45.91	135	36	15 20 48.0
15	11	8	37 11.2	36 42.79	164	30	15 35 15.0
16	11	7	22.4	37 3.02	161	25	15 33 42.5
17	11	4	48.0	37 55.74	129	35	15 17 47.5
18	10	6	38 17.0	38 6.69	144	04	15 25 2.0
19	9	5	52.1	33 50.81	96	41	15 1 20.5
20	11	4	39 6.2	39 13.93	99	26	15 2 43.0
21	11	5	27.8	39 26.51	124	40	15 15 20.0
22	11	6	44.0	39 33.69	133	43	15 19 51.5
23	11	7	40 19.1	39 59.73	153	48	15 29 54.0
24	11	7	38.0	40 18.63	152	22	15 29 11.0
25	11	4	41 22.2	41 29.94	126	50	15 16 25.0
26	10	6	42 15.4	42 5.10	111	32	15 8 46.0
27	11	7	35.0	42 15.67	98	32	15 2 16.0
28	10	7	56.2	42 36.85	123	14	15 14 37.0
29	11	8	43 27.0	42 58.65	112	59	15 9 29.5
30	11	5	44 2.0	44 0.71	120	22	15 13 11.0
31	11	6	31.5	44 21.19	141	57	15 23 58.5
32	11	4	45 23.2	45 30.94	121	31	15 13 45.5
33	11	5	38.1	45 36.81	124	29	15 15 14.5
34	10	5	59.0	45 57.71	135	11	15 20 35.5
35	11	7	46 21.3	46 1.96	106	22	15 6 11.0
36	10	4	40.8	46 48.53	97	10	15 1 35.0
37	11	7	47 10.0	46 50.63	146	43	15 26 21.5
38	10	4	48 0.0	48 7.75	159	00	15 32 30.0
39	11	6	20 2	48 9.89	143	39	15 24 49.5
40	11	6	44.4	48 34.09	133	54	15 19 57.0
41	10	4	49 4.0	49 11.74	136	51	15 21 25.5
42	11	5	22.0	49 20.71	136	59	15 21 29.5
43	11	3	59.0	50 15.75	138	30	15 22 15.0
44	10	3	50 20.2	50 36.97	163	59	15 34 59.5
45	11	8	44.5	50 16.14	138	34	15 22 17.0
46	8	5	51 2.2	51 0.91	125	11	15 16 35.5
47	10	5	17.2	51 15.91	133	41	15 19 50.5
48	11	5	36.0	51 34.71	128	57	15 17 28.5
49	10	6	57.2	51 46.90	113	05	15 9 32.5
50	9	6	52 19.3	52 9.00	128	48	15 17 24.0
51	10	7	33.0	52 13.66	111	40	15 8 50.0
52	11	8	52.0	52 23.64	119	04	15 12 32.0
53	11	5	53 22.2	53 20.91	96	31	15 1 15.5
54	11	6	37.4	53 27.10	112	06	15 9 3.0
55	10	4	54 8.8	54 16.54	131	49	15 18 54.5
56	10	5	41.0	54 39.70	155	31	15 30 45.5
57	10	6	55 0.0	54 49.68	166	50	15 36 25.0
58	11	5	32.0	55 30.71	120	09	15 13 4.5

			m s	h m s		° ′ ″	
59	11	5	55 56.0	1 55 54.71	107 48	15 6 54.0	
60	11	8	56 25.5	55 57.06	100 43	15 3 21.5	
61	11	7	57 11.0	56 51.62	157 19	15 31 39.5	
62	10	5	37.4	57 36.11	131 25	15 18 42.5	
63	10	5	52.2	57 50.91	126 31	15 16 15.5	dupl. praec.
64	10	7	58 13.1	57 53.73	138 03	15 22 1.5	
65	11	7	32.0	58 12 65	127 59	15 16 59.5	
66	11	5	47.2	58 45.91	119 41	15 12 50.5	
67	8	4	0 16.8	2 0 24.54	112 08	15 9 4.0	
..	..	6	35.0	0 24.70	......	....	
68	11	6	58.0	0 47.70	119 00	15 12 30.0	
69	10	6	1 11.2	1 0.90	130 09	15 18 4.5	
70	11	8	26.1	0 57.71	139 09	15 22 34.5	
71	11	7	47.0	1 27.62	155 00	15 30 30.0	
72	11	6	2 1.0	1 50.68	162 29	15 34 14.5	
73	11	5	30.3	2 29.01	142 43	15 24 21.5	
74	10	7	46.2	2 26.84	138 26	15 22 13.0	
75	11	3	3 11.5	3 28.24	116 43	15 11 21.5	
76	11	4	29.8	3 37.54	117 33	15 11 46.5	
77	9	7	58.2	3 38.84	132 11	15 19 5.5	
78	11	7	4 20.0	4 0.63	145 48	15 25 54.0	
79	10	4	49.1	4 12.65	112 10	15 9 5.0	
80	10	7	5 34.9	5 15.54	135 49	15 20 54.5	
81	9	8	53.0	5 24.61	147 02	15 26 31.0	
82	11	3	6 13.0	6 29.76	149 40	15 27 50.0	
83	11	8	52.0	6 23.60	149 10	15 27 35.0	
84	10	6	7 12.0	7 1.69	131 41	15 18 50.5	
85	11	5	39.2	7 37.91	104 49	15 5 24.5	
86	11	6	8 5.0	7 54.71	93 33	14 59 46.5	
87	9	6	26.0	8 15.70	115 48	15 10 54.0	
88	11	6	9 10.0	8 59.70	127 02	15 16 31.0	
89	11	8	45.0	9 16.67	95 55	15 0 57.5	
90	10	8	10 13.8	9 45.41	145 31	15 25 45.5	
91	11	3	32.0	10 48.76	155 00	15 30 30.0	
92	11	4	11 28.5	11 36.23	109 02	15 7 31.0	
93	9	4	12 7.0	12 14.75	166 36	15 36 18.0	
94	11	4	24.0	12 31.75	165 41	15 35 50.5	
95	11	4	42.2	12 49.95	161 15	15 33 37.5	
96	10	4	13 0.2	13 7.95	154 34	15 30 17.0	
97	9	4	59.2	14 6 95	158 10	15 32 5.0	
98	9	5	14 19.0	14 17.71	138 00	15 22 0.0	
99	10	3	44.3	15 1.05	140 58	15 23 29.0	
100	10	4	15 2.8	15 10.54	134 33	15 20 16.5	
101	11	7	16 0.0	15 40.62	164 00	15 35 0.0	
102	9	4	45.0	16 52.73	101 29	15 3 44.5	
103	11	6	17 34.5	17 24.20	123 05	15 14 32.5	
104	11	5	18 8.0	18 6.71	141 55	15 23 57.5	
105	11	7	19 7.2	18 47.86	109 45	15 7 52.5	
106	11	6	37.0	19 26.70	110 49	15 8 24.5	
107	11	4	20 3.0	20 10.74	133 40	15 19 50.0	
108	10	7	23.2	20 3.82	155 02	15 30 31.0	
109	10	4	40.2	20 47.95	162 43	15 34 21.5	

			m	s	h	m	s		s	°	′	″	
110	10	5	21	18.0	2	21	16.71	121	09	15	13	34.5	
111	11	4	22	8.0		22	15.74	126	30	55	16	15.0	
112	10	8		33.0		22	4.54	166	..	15		....	
113	11	8	23	10.4		22	42.05	113	11	15	9	35.5	
114	11	4		47.0		23	54.74	120	50	15	13	25.0	
115	11	6	25	28.5		25	27.19	145	08	15	25	34.0	
116	10	5	27	17.0		27	15.71	124	11	15	15	5.5	
117	10	4		58.5		28	6.23	106	15	15	6	7.5	
118	11	8	28	20.0		27	51.62	139	11	15	22	35.5	
119	11	3	29	45.0		30	1.76	151	48	15	28	54.0	
120	10	7	30	6.0		29	46.62	162	06	15	34	3.0	

Zone 47. **1856. 20. December. ♄**

Decl. + 17° 30′ bis 18° 5′.

1	11	5	7	11.2	0	7	9.89	201	17	17	50	38.5	
2	11	4		32.5		7	40.33	173	23	17	36	41.5	
3	11	6		51.2		7	40.77	176	16	17	38	8.0	
4	10	8	8	22.1		7	53.37	193	05	17	46	32.5	
5	11	4		49.0		8	56.84	202	11	17	51	5.5	
6	11	8	9	48.0		9	19.27	186	13	17	43	6.5	
7	10	5	10	12.2		10	10.89	189	55	17	44	57.5	
8	10	4		28.0		10	35.83	185	08	17	42	34.0	
9	11	5	11	30.0		11	28.69	173	31	17	36	45.5	
10	10	6	12	1.0		11	50.55	210	05	17	55	2.5	
11	10	8		19.5		11	50.74	213	40	17	56	50.0	
12	11	8		50.5		12	21.72	231	30	18	5	45.0	
13	11	8	13	13.5		12	44.73	221	17	18	0	38.5	
14	10	7		50.4		13	30.78	208	36	17	54	18.0	
15	11	8	14	25.0		13	56.27	184	30	17	42	15.0	
16	10	6		52.0		14	41.57	185	14	17	42	37.0	
17	10	7	15	13.0		14	53.43	156	35	17	28	17.5	
18	11	5		46.0		15	44.69	192	25	17	46	12.5	
19	10	5	16	10.2		16	8.89	192	18	17	46	9.0	
20	10	6		25.1		16	14.67	183	10	17	41	35.0	
21	9	6		44.0		16	33.56	197	18	17	48	39.0	
22	11	6	17	15.0		17	4.56	193	30	17	46	45.0	
23	11	5		36.0		17	34.69	196	02	17	48	1.0	
24	11	5		53.0		17	51.69	200	53	17	50	26 5	
25	11	8	18	15.2		17	46 44	208	08	17	54	4.0	
26	10	3		47.0		19	3.98	221	21	18	0	40.5	
27	10	4	19	5.3		19	13.15	226	26	18	3	13.0	
28	11	6		28.0		19	17.55	218	30	17	59	15.0	
29	10	3		48.2		20	5.18	222	50	18	1	25.0	
30	10	7	20	9.0		19	49.36	231	24	18	5	4[illegible].0	dupl. seq.
31	11	7		25.0		20	5.37	222	41	18	1	20.5	
32	11	4		43.2		20	51.05	219	18	17	59	39.0	
33	11	6	21	17.0		21	6.55	220	30	18	0	15.0	
34	11	5		48.5		21	47.19	230	40	18	5	20.0	
35	11	5	22	16.0		22	14.69	220	25	18	0	12.5	
36	10	5		34.2		22	32.89	213	40	17	56	50.0	

			m s	h m s		° ′ ″
37	11	4	23 17.0	0 23 24.83	160 26	17 30 13.0
38	10	4	37.8	23 55.63	168 38	17 34 19.0
39	11	6	56.5	23 46.07	174 00	13 37 0.0
40	11	4	24 18.0	24 25.83	168 35	17 34 17.5
41	11	7	48.2	24 28.58	207 40	17 53 50.0
42	8	6	25 21.1	25 10.65	224 00	18 2 0.0
..	..	7	30.2	25 10.57	......	....
43	9	5	47.0	25 45.69	215 30	17 57 45.0
44	10	5	26 5.0	26 3.69	210 44	17 55 22.0
45	10	8	26.3	25 57.53	225 29	18 2 44.5
46	10	6	45.3	26 34.85	223 09	18 1 34.5
47	10	5	27 1.2	26 59.89	215 30	17 57 45.0
48	11	8	27.5	26 58.78	182 45	17 41 22.5
49	11	3	46.8	28 3.75	186 10	17 43 5.0
50	10	8	28 16.0	27 47.32	152 10	17 26 5.0
51	11	4	35.5	28 43.33	167 32	17 33 46.0
52	10	7	29 1.2	28 41.60	190 54	17 45 27.0
53	10	7	19.5	28 59.88	204 50	17 52 25.0
54	11	4	30 19.5	30 27.34	181 25	17 40 42.5
55	11	7	51.3	30 31.74	145 09	17 22 34.5
56	10	5	32 1.0	31 59.69	200 40	17 50 20.0
57	10	4	35.0	32 42.84	186 10	17 43 5.0
58	10	4	52.4	33 0.24	181 13	17 40 36.5
59	11	5	33 6.0	33 4.69	177 46	17 38 53.0
60	10	8	24.4	32 55.70	164 00	17 32 0.0
61	11	7	51.0	33 31.42	165 48	17 32 54.0
62	11	7	34 25.0	34 5.42	160 01	17 30 0.5
63	11	6	37.0	34 26.57	168 54	17 34 27.0
64	10	6	58.1	34 47.66	186 19	17 43 9.5
65	11	4	35 19.0	35 26.84	186 49	17 43 24.5
66	11	5	44.0	35 42.69	212 52	17 56 26.0
67	10	3	36 8.1	36 25.08	222 40	18 1 20.0
68	10	3	45.1	37 2.07	200 54	17 50 27.0
69	11	5	37 56.0	37 54.69	220 23	18 0 11.5
70	10	8	38 49.0	38 20.25	205 32	17 52 46.0
71	11	6	39 19.5	39 9.06	198 40	17 49 20.0
72	9	3	39.2	39 56.17	202 10	17 51 5.0
73	9	8	41 48.0	41 19.24	211 49	17 55 54.5
74	10	3	42 22.0	42 38.97	209 18	17 54 39.0
75	10	4	42.1	42 49.95	218 14	17 59 7.0
76	10	7	59.2	42 39.57	216 06	17 58 3.0
77	9	5	43 15.8	43 14.49	223 39	18 1 49.5
78	9	3	33.0	43 49.98	225 37	18 2 48.5
79	10	7	44 15.0	43 55.37	219 30	17 59 45.0
80	11	5	29.0	44 27.69	227 24	18 3 42.0
81	11	7	45 30.2	45 10.62	164 34	17 32 17.0
82	9	3	47.5	46 4.44	176 58	17 38 29.0
83	10	5	59.0	45 57.69	179 16	17 39 38.0
84	11	8	46 36.0	46 7.23	221 02	18 0 31.0
85	10	7	47 0.0	46 40.36	231 14	18 5 37.0
86	11	6	12.0	47 1.55	228 40	18 4 20.0
87	10	5	29.1	47 27.79	227 00	18 3 30.0

			m s	h m s			° ′ ″
88	11	7	47 59.0	0 47 39.37	214	50	17 57 25.0
89	11	8	48 42.0	48 13.28	177	49	17 38 54.5
90	11	4	49 6.0	49 13.84	194	39	17 47 19.5
91	11	4	24.0	49 31.84	201	30	17 50 45.0
92	10	4	44.2	49 52.04	197	04	17 48 32.0
93	10	4	57.4	50 5.25	205	05	17 52 32.5
94	10	8	50 28.8	50 0.07	189	..	....
95	10	7	52.8	50 33.21	174	50	17 37 25.0
96	11	5	51 20.5	51 19.19	175	21	17 37 40.5
97	11	6	52.2	51 41.77	179	01	17 39 30.5
98	11	5	52 24.0	52 22.69	186	02	17 43 1.0
99	8	4	52.1	52 59.95	213	20	17 56 40.0
...	..	5	53 2.0	53 0.69	....		....
100	10	8	48.2	53 19.47	193	26	17 46 43.0
101	10	6	54 7.5	53 57.05	194	55	17 47 27.5
102	11	6	27.0	54 16.57	172	33	17 36 16.5
103	11	5	55 4.0	55 2.69	194	13	17 47 6.5
104	11	6	26.0	55 15.56	192	09	17 46 4.5
105	10	4	43.0	55 50.84	190	42	17 45 21.0
106	9	5	56 3.0	56 1.69	203	38	17 51 49.0
107	11	8	28.0	55 59.22	226	29	18 3 14.5
108	11	4	57.0	57 4.85	217	36	17 58 48.0
109	11	8	57 14.5	56 45.74	212	39	17 56 19.5
110	11	8	33.0	57 4.23	217	40	17 58 50.0
111	11	6	55.0	57 44.55	229	42	18 4 51.0
112	10	4	58 23.0	58 30.85	219	20	17 59 40.0
113	11	8	48.0	58 19.25	203	41	17 51 50.5
114	11	8	59 5.5	58 36.77	189	59	17 44 59.5
115	11	3	29.0	59 45.95	184	35	17 42 17.5
116	10	6	55.3	59 44.86	203	58	17 51 59.0
117	10	4	2 30.2	1 2 38.04	202	30	17 51 15.0
118	10	3	3 1.2	3 18.17	208	40	17 54 20.0
119	10	3	21.5	3 38.48	222	11	18 1 5.5
120	10	8	47.0	3 18.24	208	32	17 54 16.0
121	10	6	4 3.2	3 52.75	212	48	17 56 24.0
122	11	3	23.0	4 39.97	202	30	17 51 15.0
123	11	5	47.5	4 46.19	212	06	17 56 3.0
124	11	4	5 8.0	5 15.85	216	03	17 58 1.5
125	11	5	38.8	5 37.49	193	19	17 46 39.5

Zone 48. 1856. 21. December. ⊙

Decl. + 17° 30′ bis 18° 5′.

1	10	7	4 12.3	1 3 52.68	212	43	17 56 21.5
2	10	3	28.0	4 44.97	212	09	17 56 4.5
3	11	6	50.0	4 39.56	202	40	17 51 20.0
4	11	3	5 20.0	5 36.96	193	19	17 46 39.5
5	11	8	6 21.0	5 52.24	212	30	17 56 15.0
6	11	6	38.0	6 27.55	223	41	18 1 50.5
7	10	3	7 16.8	7 33.77	207	05	17 53 32.5
8	11	8	33.4	7 4.66	196	45	17 48 22.5

			m s	h m s			° ′ ″
9	11	4	7 52.0	1 7 59.84	195	15	17 47 37.5
10	10	3	8 19.0	8 35.94	162	44	17 31 22.0
11	9	3	44.0	9 0.92	194	50	17 47 25.0
12	11	6	9 17.0	9 6.56	207	08	17 53 34.0
13	11	3	41.0	9 57.99	227	03	18 3 31.5
14	11	3	10 16.1	10 33.06	190	50	17 45 25.0
15	10	5	31.6	10 30.29	182	01	17 41 0.5
16	10	8	56.5	10 27.79	175	00	17 37 30.0
17	10	7	11 9.0	10 49.42	167	50	17 33 55.0
18	11	4	29.5	11 37.34	176	03	17 38 1.5
19	11	5	50.0	11 48.69	187	30	17 43 45.0
20	10	5	12 10.3	12 8.99	204	16	17 52 8.0
21	11	4	22.0	12 29.85	210	44	17 55 22.0
22	10	8	35.9	12 7.12	222	05	18 1 2.5
23	11	8	53.8	12 25.04	215	29	17 57 44.5
24	10	6	13 15.2	13 4.75	224	23	18 2 11.5
25	10	7	31.1	13 11.47	217	00	17 58 30.0
26	9	8	14 3.0	13 34.29	170	40	17 35 20.0
27	9	7	13.8	13 54.21	169	55	17 34 57.5
28	8	7	57.3	14 37.67	214	58	17 57 29.0
..	..	8	15 7.0	14 38.24	......		....
29	11	5	41.2	15 39.89	202	41	17 51 20.5
30	11	4	16 19.0	16 26.84	187	14	17 43 37.0
31	11	5	17 1.0	16 59.69	194	00	17 47 0.0
32	11	8	12.5	16 43.74	204	32	17 52 16.5
33	10	7	33.1	17 13.49	194	15	17 47 7.5
34	9	4	46.9	17 54.74	197	45	17 48 52.5
35	11	6	18 24.0	18 13.55	210	10	17 55 5.0
36	11	5	49.4	18 48.09	216	38	17 58 19.0
37	11	4	19 29.0	19 36.85	210	35	17 55 17.5
38	11	3	20 21.4	20 38.36	198	58	17 49 29.0
39	11	5	30.0	20 28.69	205	31	17 52 45.5
40	9	7	56.0	20 36.37	222	50	18 1 25.0
41	11	5	21 22.0	21 20.69	203	10	17 51 35.0
42	11	4	22 18.4	22 26.24	182	00	17 41 0.0
43	7	7	36.0	22 16.41	176	48	17 38 24.0
..	..	8	45.0	22 16.28	......		....
44	11	8	23 24.5	22 55.77	192	50	17 46 25.0
45	9	5	41.0	23 39.69	199	15	17 49 37.5
46	9	7	58.6	23 38.97	217	23	17 58 41.5
47	11	8	24 17.0	23 48.24	212	40	17 56 20.0
48	9	4	25 16.2	25 24.04	194	10	17 47 5.0
49	11	6	30.5	25 20.06	201	18	17 50 39.0
50	10	6	49.2	25 38.78	202	40	17 51 20.0
51	10	6	26 18.0	26 7.57	172	01	17 36 0.5
52	8	3	54.5	27 11.46	190	30	17 45 15.0
53	11	8	27 26.8	26 58.02	227	40	18 3 50.0
54	11	6	28 2.0	27 51.56	203	11	17 51 35.5
55	11	8	24.0	27 55.24	204	30	17 52 15.0
56	10	6	35.8	28 25.36	195	40	17 47 50.0
57	11	8	59.5	28 30.75	200	18	17 50 9.0
58	10	4	29 16.5	29 24.35	204	40	17 52 20.0

			m s	h m s			° ′ ″
59	10	3	29 44.0	1 30 0.97	206	36	17 53 18.0
60	10	6	30 4.0	•29 53.55	216	30	17 58 15.0

Zone 49. 1856. 31. December. ☿

Decl. + 17° 0′ bis 17° 30′.

1	9	7	3 12.1	1 2 52.54	152	40	17 26 20.0	
2	10	3	25.0	3 41.93	155	20	17 27 40.0	
3	10	4	49.0	3 56.82	140	00	17 20 0.0	
4	11	7	4 7.0	3 47.45	135	09	17 17 34.5	
5	10	4	29.0	4 36.82	131	22	17 15 41.0	dupl seq.
6	11	5	48.1	4 46.79	124	10	17 12 5.0	
7	11	7	5 10.4	4 50.85	130	50	17 15 25.0	
8	11	7	30.0	5 10.46	119	11	17 9 35.5	
9	11	8	45.0	5 16.34	130	43	17 15 21.5	
10	11	7	6 3.1	5 43.56	124	50	17 12 25.0	
11	11	6	30.0	6 19.60	123	10	17 11 35.0	
12	11	7	56.3	6 36.78	102	29	17 1 14.5	
13	10	3	7 29.1	7 45.99	107	27	17 3 43.5	
14	10	7	52.5	7 32.96	122	20	17 11 10.0	
15	10	5	8 24.0	8 22.69	98	58	16 59 29.0	
16	11	4	49.3	8 57.11	116	30	17 8 15.0	
17	9	5	9 6.0	9 4.69	118	13	17 9 6.5	
18	10	6	29.0	9 18.61	109	30	17 4 45.0	
19	10	6	47.0	9 36.61	107	23	17 3 41.5	
20	11	4	10 48.0	10 55.82	133	50	17 16 55.0	
21	11	4	11 17.0	11 24.82	131	58	17 15 59.0	
22	11	6	40.0	11 29.60	125	00	17 12 30.0	
23	10	7	12 6.7	11 47.14	138	09	17 19 4.5	
24	9	8	20.0	11 51.32	149	•19	17 24 39.5	
25	9	4	39.1	12 46.93	147	23	17 23 41.5	
26	9	4	13 6.4	13 14.23	158	30	17 29 15.0	
27	10	6	35.2	13 24.80	122	11	17 11 5.5	
28	10	4	52.8	14 0.62	130	05	17 15 2.5	
29	11	6	14 16.0	14 5.60	117	36	17 8 48.0	
30	10	3	45.1	15 2.00	113	16	17 6 38.0	
31	10	7	15 16.0	14 56.44	149	41	17 24 50.5	dupl. praec.
32	10	6	36.0	15 25.59	143	19	17 21 39.5	
33	11	6	16 2.2	15 51.80	129	42	17 14 51.0	
34	7	6	26.0	16 15.60	111	24	17 5 42.0	
..	..	7	35.1	16 15.57	....		....	
..	..	8	44.2	16 15.57	....		....	
35	11	4	17 19.5	17 27.31	117	08	17 8 34.0	
36	11	6	18 6.0	17 55.58	164	19	17 33 9.5	
37	10	6	36.2	18 25.79	134	51	17 17 25.5	
38	10	7	54.0	18 34.46	120	30	17 10 15.0	
39	10	8	19 7.0	18 38.35	123	31	17 11 45.5	
40	10	3	20.0	19 36.91	135	40	17 17 50.0	
41	10	8	32.4	19 3.73	142	40	17 21 20.0	dupl. austr.
42	11	8	20 6.5	19 37.84	129	30	17 14 45.0	
43	10	5	59.0	20 57.69	151	40	17 25 50.0	

			m s	h m s			° ′ ″	
44	11	6	21 56.8	1 21 46.41	104	50	17 2 25.0	
45	11	6	22 56.2	22 45.81	105	05	17 2 32.5	
46	11	7	23 26.2	23 6.67	116	11	17 8 5.5	
47	10	8	40.4	23 11.76	118	58	17 9 29.0	
48	10	7	58.4	23 38.86	127	48	17 13 54.0	
49	10	4	24 21.0	24 28.82	121	22	17 10 41.0	
50	11	8	38.0	24 9.35	124	43	17 12 21.5	
51	11	6	56.0	24 45.60	121	26	17 10 43.0	
52	10	4	25 28.1	25 35.92	124	37	17 12 18.5	
53	11	5	47.1	25 45.79	128	38	17 14 19.0	
54	9	4	26 12.1	26 19.93	151	43	17 25 51.5	
55	11	7	33.8	26 14.22	160	50	17 30 25.0	
56	11	8	27 23.0	26 54.36	116	03	17 8 1.5	
57	11	5	28 30.0	28 28.69	149	58	17 24 59.0	
58	10	5	56.0	28 54.69	149	18	17 24 39.0	dupl. seq.
59	10	4	29 40.1	29 47.92	117	05	17 8 32.5	
60	11	5	30 19.0	30 17.69	118	03	17 9 1.5	
61	10	5	35.0	30 33.69	115	37	17 7 48.5	
62	11	8	52.2	30 23.55	122	30	17 11 15.0	
63	10	6	31 6.0	30 55.60	126	21	17 13 10.5	
64	11	7	24.5	31 4.95	137	31	17 18 45.5	
65	9	6	36.9	31 26.49	144	24	17 22 12.0	dupl. praec.
66	10	4	32 13.2	32 21.02	138	32	17 19 16.0	
67	10	5	37.2	32 35.89	115	20	17 7 40.0	
68	9	5	55.8	32 54.49	120	23	17 10 11.5	
69	10	3	33 13.1	33 30.01	120	42	17 10 21.0	
70	11	4	37.4	33 45.21	117	48	17 8 54.0	
71	10	6	56.9	33 46.50	115	31	17 7 45.5	
72	11	8	34 13.0	33 44.38	105	10	17 2 35.0	
73	10	3	32.1	34 49.00	107	33	17 3 46.5	
74	10	6	52.1	34 41.70	118	51	17 9 25.5	
75	10	5	35 4.0	35 2.69	121	15	17 10 37.5	
76	10	6	21.0	35 10.59	135	59	17 17 59.5	
77	9	8	35.1	35 6.43	143	23	17 21 41.5	dupl. seq.
78	10	5	36 3.1	36 1.79	139	36	17 19 48.0	
79	11	6	15.5	36 5.09	145	40	17 22 50.0	
80	10	7	28.4	36 8.84	151	14	17 25 37.0	
81	10	8	51.0	36 22.33	139	00	17 19 30.0	
82	10	7	37 16.0	36 56.43	158	28	17 29 14.0	
83	10	4	39.0	37 46.83	147	44	17 23 52.0	
84	11	8	38 1.0	37 32.35	125	20	17 12 40.0	
85	10	4	16.5	38 24.32	134	00	17 17 0.0	
86	10	4	35.0	38 42.82	134	58	17 17 29.0	
87	11	6	58.4	38 48.00	114	20	17 7 10.0	
88	10	4	39 21.6	39 29.42	126	38	17 13 19.0	
89	11	3	39.0	39 55.91	133	37	17 16 48.5	
90	10	4	40 2.0	40 9.82	118	09	17 9 4.5	
91	10	7	26.0	40 6.43	154	40	17 27 20.0	
92	11	5	52.5	40 51.19	137	40	17 18 50.0	
93	11	6	41 57.0	41 46.60	112	15	17 6 7.5	
94	11	4	42 15.0	42 22.82	119	53	17 9 56.5	
95	10	6	36.5	42 26.10	125	19	17 12 39.5	

			m	s	h	m	s			°	'	"
96	11	6	43	4.5	1	42	54.11	103	37	17	1	48.5
97	10	5		21.0		43	19.69	102	30	17	1	15.0
98	10	7		35.0		43	15.47	112	31	17	6	15.5
99	10	8		54.0		43	25.36	114	49	17	7	24.5
100	9	6	44	8.5		43	58.10	113	43	17	6	51.5
101	11	8		21.0		43	52.35	122	33	17	11	46.5
102	10	4		41.5		44	49.32	125	51	17	12	55.5
103	11	8		59.0		44	30.34	129	30	17	14	45.0
104	10	3	45	12.5		45	29.41	135	30	17	17	45.0
105	9	5		33.8		45	32.49	150	51	17	25	25.5
106	11	7		45.0		45	25.42	160	51	17	30	25 5
107	10	4	46	12.5		46	20.32	131	56	17	15	58.0
108	10	4		34.0		46	41.82	125	45	17	12	52.5
109	10	6		54.4		46	44.00	114	00	17	7	0.0
110	11	6	47	36.0		47	25.59	144	14	17	22	7.0
111	11	7		54.5		47	34.94	150	40	17	25	20.0
112	9	7	48	14.8		47	55.22	162	55	17	31	27.5
113	9	4	49	13.0		49	20.81	116	22	17	8	11.0
114	9	5		29.0		49	27.69	115	00	17	7	30.0
115	5	6		49.0		49	38.60	117	00	17	8	30.0
...	..	7		58.0		49	38.47	......	..	.....	...	...
116	11	7	50	15.0		49	55.47	111	08	17	5	34.0
117	11	7		27.0		50	7.47	116	58	17	8	29.0
118	10	6		48.8		50	38.41	102	03	17	1	1.5
119	10	4	51	9.2		51	8.01	107	21	17	3	40.5
120	10	5		29.5		51	28.19	121	31	17	10	45.5
121	11	7		55.5		51	35.97	117	10	17	8	35.0
122	11	3	52	32.1		52	49.00	113	06	17	6	33.0
123	11	5		54.5		52	53.19	118	49	17	9	24.5
124	10	3	53	26.0		53	42.93	153	55	17	26	57.5
125	10	7	54	3.2		53	43.64	139	49	17	19	54.5
126	9	8		13.4		53	46.74	134	27	17	17	13.5
127	10	8		24..		53	55. ...	137	00	17	18	30.0
128	10	6		43.3		54	32.89	153	30	17	26	45.0
129	10	8	55	0.8		54	32.11	158	30	17	29	15.0
130	10	4		19.8		55	27.63	164	53	17	32	26.5
131	10	5		44.2		55	42.89	126	58	17	13	29.0
132	11	7	56	5.0		55	45.45	136	15	17	18	7.5
133	11	6		34.0		56	23.59	144	45	17	22	22.5
134	11	5	57	35.0		57	33.69	94	14	16	57	7.0
135	9	4		52.0		57	59.81	98	40	16	59	20.0
136	10	4	58	9.4		58	17.22	129	11	17	14	35.5
137	10	7		40.0		58	20.42	168	05	17	34	2.5
138	10	6	59	3.8		58	55.39	154	00	17	25	30.0
139	10	5		23.0		59	21.69	133	30	17	16	45.0
140	11	6		45.0		59	34.60	128	20	17	14	10.0
141	11	7	0	15.8		59	56.28	95	30	16	57	45.0
142	11	8		49.4	2	0	20.71	154	02	17	27	1.0
143	10	7	1	8.0		0	48.43	154	33	17	27	16.5
144	11	7		32.0		1	12.44	149	10	17	24	35.0
145	11	8		58.0		1	29.33	141	08	17	20	34.0
146	10	6	2	15.0		2	0.59	141	40	17	20	50.0

			m s	h m s			° ' "	
147	10	5	2 38.0	2 2 36.69	169	11	17 34 35.5	
148	11	6	3 12.0	3 1.60	125	10	17 12 35.0	
149	10	4	32.2	3 40.02	131	19	17 15 39.5	
150	11	4	4 34.0	4 41.83	155	50	17 27 55.0	
151	10	6	59.0	4 48.59	144	48	17 22 24.0	
152	9	6	5 22.9	5 12.50	124	20	14 12 10.0	
153	11	8	40.5	5 11.86	115	30	17 7 45.0	
154	10	3	6 14.4	6 31.33	149	05	17 24 32.5	

Zone 50. 1856. 31. December. ☿

Decl. + 17° 0' bis 17° 30'.

1	11	4	4 52.8	3 5 0.62	124	58	17 12 29.0	
2	10	7	5 27.1	5 7.52	164	52	17 32 26.0	
3	10	3	44.0	6 0.93	145	03	17 22 31.5	
4	11	3	6 15.0	6 31.91	120	12	17 10 6.0	
5	11	8	41.0	6 12.37	105	20	17 2 40.0	
6	11	5	53.0	6 51.69	116	53	17 8 26.5	
7	11	8	7 19.2	6 50.54	130	11	17 15 5.5	
8	10	7	48.0	7 28.47	110	12	17 5 6.0	
9	10	3	8 3.4	8 20.29	102	35	17 1 17.5	
10	11	5	19.0	8 17.69	97	42	16 58 51.0	
11	10	5	45.0	8 43.69	132	11	17 16 5.5	
12	10	6	9 5.4	8 54.99	134	52	17 17 26.0	
13	10	5	32.1	9 30.79	162	05	17 31 2.5	
14	11	4	58.5	10 6.32	139	52	17 19 56.0	
15	11	7	10 23.1	10 3.57	109	10	17 4 35.0	
16	11	3	45.2	11 2.10	108	10	17 4 5.0	
17	11	7	11 11.0	10 51.48	99	33	16 59 46.5	
18	10	5	35.9	11 34.59	118	18	17 9 9.0	
19	11	8	57.0	11 28.37	112	19	17 6 9.5	
20	9	6	12 11.0	12 0.61	100	08	17 0 4.0	
21	10	8	34.0	12 5.35	127	03	17 13 31.5	
22	10	5	50.0	12 48.69	119	30	17 9 45.0	
23	10	7	13 7.0	12 47.47	114	01	17 7 0.5	
24	10	8	26.0	12 57.36	114	59	17 7 29.5	
25	10	8	38.0	13 9.35	122	09	17 11 4.5	dupl. seq.
26	10	8	59.8	13 31.16	114	49	17 7 24.5	
27	10	5	14 12.5	14 11.19	128	44	17 14 22.0	
28	9	4	25.3	14 33.12	128	19	17 14 9.5	
29	10	5	43.1	14 41.79	155	51	17 27 55.5	
30	11	6	15 0.1	14 49.68	164	10	17 32 5.0	
31	10	7	34.0	15 14.48	105	53	17 2 56.5	
32	11	7	59.5	15 39.97	113	10	17 6 35.0	
33	9	5	16 16.6	16 15.29	107	46	17 3 53.0	
34	10	6	38.2	16 26.81	99	10	16 59 35.0	
35	11	6	17 6.2	16 55.79	144	57	17 22 28.5	
36	11	8	18..	16 49...	152	04	17 26 2.0	
37	10	7	46.1	17 26.54	142	10	17 21 5.0	
38	11	4	18 10.0	18 17.82	129	39	17 14 49.5	
39	11	7	28.0	18 8.45	132	21	17 16 10.5	

			m s	h m s			° ′ ″
40	10	3	18 57.5	3 19 14.40	111	08	17 5 34.0
41	10	4	19 34.0	19 41.83	159	49	17 29 54.5
42	11	5	46.0	19 44.69	156	51	17 28 25.5
43	11	4	20 16.5	20 24.33	163	50	17 31 55.0
44	11	3	34.1	20 51.03	155	48	17 27 54.0
45	10	3	21 4.0	21 20.89	107	18	17 3 39.0
46	11	4	42.8	21 50.61	104	04	17 2 2.0
47	10	5	22 2.5	22 1.19	113	39	17 6 49.5
48	10	5	24.5	22 23.19	104	15	17 2 7.5
49	11	7	41.0	22 21.48	97	12	16 58 36.0
50	10	3	59.0	23 15.90	109	02	17 4 31.0
51	11	6	23 18.0	23 7.60	114	23	17 7 11.5
52	11	8	31.0	23 2.35	121	10	17 10 35.0
53	11	3	47.5	24 4.41	127	34	17 13 47.0
54	10	8	24 54.0	24 25.35	126	40	17 13 20.0
55	10	8	25 12.0	24 43.35	124	24	17 12 12.0
56	11	6	32.0	25 21.61	97	41	16 58 50.5
57	10	4	54.1	26 1.91	111	40	17 5 50.0
58	11	3	26 10.0	26 26.90	116	30	17 8 15.0
59	10	5	29.5	26 28.19	129	23	17 14 41.5
60	10	4	49.1	26 56.92	130	36	17 15 18.0
61	10	4	27 13.0	27 20.83	151	52	17 25 56.0
62	10	7	29.0	27 9.42	163	13	17 31 36.5
63	11	5	53.2	27 51.89	143	25	17 21 42.5
64	10	4	28 7.2	28 15.02	143	04	17 21 32.0
65	10	3	27.0	28 43.92	137	45	17 18 52.5
66	10	3	45.0	29 1.93	147	52	17 23 56.0
67	9	4	29 5.2	29 13.03	155	20	17 27 40.0
68	10	7	20.4	29 0.84	138	33	17 19 16.5
69	11	4	40.0	29 47.83	146	40	17 23 20.0
70	11	8	30 16.0	29 47.32	146	45	17 23 22.5
71	10	5	31.5	30 30.19	158	46	17 29 23.0
72	10	4	31 9.0	31 16.82	127	10	17 13 35.0
73	11	6	24.8	31 14.40	123	55	17 11 57.5
74	11	9	50.0	31 30.46	125	56	17 12 58.0
75	10	3	32 7.8	32 24.71	125	06	17 12 33.0
76	10	4	42.0	32 49.83	144	00	17 22 0.0
77	10	4	33 4.0	33 11.83	161	24	17 30 42.0
78	10	7	28.0	33 8.43	159	54	17 29 57.0
79	9	5	45.0	33 43.69	166	35	17 33 17.5
80	9	3	34 4.5	34 21.43	152	40	17 26 20.0
81	10	5	20.2	34 18.89	133	24	17 16 42.0
82	11	4	35 10.3	35 18.11	111	09	17 5 34.5
83	11	7	35.0	35 15.47	116	30	17 8 15.0
84	11	4	55.0	36 2.82	120	21	17 10 10.5
85	11	3	36 14.1	36 31.01	131	00	17 15 30.0
86	10	7	30.0	36 10.44	146	00	17 23 0.0
87	10	6	42.1	36 31.69	138	06	17 19 3.0
88	11	5	37 0.0	36 58.69	135	10	17 17 35.0
89	10	3	20.1	37 37.02	143	29	17 21 44.5
90	11	8	39.0	37 10.32	148	46	17 24 23.0
91	11	7	58.0	37 38.45	137	30	17 18 45.0

			m s	h m s		° ' "
92	11	7	38 30.5	3 38 10.95	130 11	17 15 5.5
93	10	8	51.0	38 22.31	159 20	17 29 40.0
94	11	4	39 20.4	39 28.22	130 08	17 15 4.0
95	10	3	40.2	39 57.13	146 18	17 23 9.0
96	11	6	55.0	39 44.58	157 23	17 28 41.5
97	10	4	40 19.0	40 26.83	150 50	17 25 25.0
98	10	4	41 9.1	41 16.93	147 40	17 23 50.0
99	10	6	28.2	41 17.79	138 49	17 19 24.5
100	11	5	46.0	41 44.69	144 50	17 22 25.0
101	10	8	42 9.1	41 40.46	116 16	17 8 8.0
102	10	5	28.0	42 26.69	114 03	17 7 1.5
103	9	7	38.2	42 18.67	108 41	17 4 20.5
104	11	4	43 3.0	43 10.82	124 08	17 12 4.0
105	11	7	44.0	43 24.44	152 20	17 26 10.0
106	11	7	44 9.0	43 49.43	155 10	17 27 35.0
107	11	3	48.0	45 4.90	115 58	17 7 59.0
108	7	7	45 25.1	45 5.59	90 38	16 55 19.0
...	..	8	35.0	45 6.39	....	....
109	10	4	46 12.8	46 20.62	141 30	17 20 45.0
110	10	7	47 33.1	47 13.56	126 50	17 13 25.0
111	9	8	50.9	47 22.24	128 06	17 14 3.0
112	11	4	48 30.0	48 37.82	136 08	17 18 4.0
113	10	6	50 15.1	50 4.71	101 39	17 0 49.5
114	11	7	29.0	50 9.47	106 36	17 3 18.0
115	11	7	47.3	50 27.77	116 30	17 8 15.0
116	10	5	51 8.0	51 6.69	99 50	16 59 55.0
117	10	5	47.0	51 45.69	137 48	17 18 54.0
118	11	8	52 8.1	51 39.43	141 00	17 20 30.0
119	10	5	31.0	52 29.69	142 50	17 21 25.0
120	10	5	44.2	52 42.89	146 21	17 23 19.5
121	10	8	56.8	52 28.12	150 44	17 25 22.0
122	10	8	53 7.0	52 38 30	161 30	17 30 45.0
123	11	5	18.5	53 17.19	161 20	17 30 40.0
124	10	6	54 45.8	54 35.41	96 00	16 58 0.0
125	11	4	55 38.0	55 45.83	148 21	17 24 10.5
126	8	4	56 27.4	56 35.21	117 30	17 8 45.0
...	..	5	36.1	56 34.79	....	....
127	10	4	57 6.2	57 14.02	136 30	17 18 15.0
128	10	5	33.5	57 32.19	168 31	17 34 15.5
129	11	3	50.5	58 7.43	154 01	17 27 0.5
130	11	4	58 5.0	58 12.83	159 00	17 29 30.0
131	10	4	36.0	58 43.83	151 42	17 25 51.0
132	11	6	59 6.0	58 55.59	147 21	17 23 40.5
133	7	4	47.0	59 54.81	97 21	16 58 40.5
...	..	5	56.0	59 54.69	....	....
...	..	6	0 5.0	59 54.61	....	....
134	10	3	23.8	4 0 40.70	109 30	17 4 45.0
135	11	6	43.0	0 32.60	123 19	17 11 39.5
136	11	5	1 7.0	1 5.69	115 19	17 7 39.5
137	10	5	28.1	1 26.79	117 13	17 8 36.5
138	11	6	45.0	1 34.60	122 59	17 11 29.5
139	10	5	2 5.8	2 4.49	132 28	17 16 14.0

			m s	h m s			° ′ ″
140	10	8	2 24..	4 1 55...	155	50	17 27 55.0
141	10	3	59.0	3 15.91	131	53	17 15 56.5
142	11	8	3 20.0	2 51.36	118	42	17 9 21.0
143	10	4	4 10.0	4 17.82	130	30	17 15 15.0
144	9	5	32.2	4 30.89	158	35	17 29 17.5
145	11	7	55.0	4 35.44	148	31	17 24 15.5
146	11	4	5 22.2	5 30.03	145	42	17 22 51.0
147	11	3	55.0	6 11.90	117	31	17 8 45.5
148	10	4	6 13.0	6 20.81	105	50	17 2 55.0

METEOROLOGISCHE

BEOBACHTUNGEN

IM JAHRE 1860.

Jänner 1860.

Datum	6 Uhr Morgens							2 Uhr Nachmittags						
	Bar. 0°	Therm. Réaum.	Expans.	Wind		Wetter		Bar. 0°	Therm. Réaum.	Expans.	Wind		Wetter	
	"	°	'''					"	°	'''				
1	27.545	+8.2	3.0	NW	2	S.FS.	3	27.601	+ 9.8	3.3	NW	1	FS.	3
2	27.569	+9.2	3.1	WNW	2	F.FS.	3	27.633	+11.3	3.0	NW	2	FS.	3
3	27.668	+4.5	2.4	W	0	F.N.	2	27.518	+ 5.5	2.6	SO	2	FS.	3
4	27.098	+2.2	2.3	WNW	1	tr.	4	27.006	+ 3.4	2.4	NW	0	FS.N.	4
5	26.917	+2.4	2.3	W	0	S.FS.	3	26.749	+ 6.1	2.4	S	0	S.	4
6	26.858	+4.7	3.0	W	0	FS.F.	1	26.923	+ 7.7	2.9	SW	0	S.FS.	4
7	27.277	+3.0	1.9	NW	1	FS.F.	2	27.493	+ 4.7	2.1	NW	2	FS.H.	3
8	27.745	+1.2	1.6	WNW	2	H.	2	27.927	+ 2.4	1.4	NNW	2	FS.H.	3
9	28.019	+0.7	1.4	WNW	2	FS.	1	28.005	+ 4.7	1.8	WNW	2	FS.F.	2
10	27.910	—2.2	1.6	S	0	F.N.	3	27.875	+ 1.0	1.7	S	0	FS.N.	1
11	27.871	—1.8	1.5	S	0	N.	4	27.890	— 1.5	1.8	SSO	0	N.	4
12	27.918	—1.0	1.7	SSO	1	tr.	4	27.922	— 0.7	1.8	S	0	Sch.	4
13	27.921	—2.2	1.6	SSO	1	tr.	4	27.894	— 1.7	1.7	SO	1	Sch.	4
14	27.837	—2.1	1.6	SO	2	Sch.	4	27.830	— 0.3	1.8	SSO	2	HN.	4
15	27.910	—2.3	1.5	SSO	1	Sch.	4	27.934	— 1.3	1.8	SO	1	HN.	4
16	27.975	—2.1	1.6	SSO	0	tr.	4	27.980	— 0.5	1.9	SSO	1	HN.	4
17	27.930	—2.3	1.6	SO	1	HN.	4	27.823	— 2.1	1.7	SSO	1	HN.	4
18	27.667	—3.2	1.5	SO	1	Sch.	4	27.629	— 1.7	1.8	SSO	0	Sch.	4
19	27.655	—4.2	1.4	SO	0	tr.	4	27.652	— 2.1	1.8	SO	1	HN.	4
20	27.582	—1.7	1.7	S	0	HN.	4	27.508	— 0.5	1.8	S	0	N.	3
21	27.465	—1.2	1.9	SO	0	Nrg.	4	27.395	— 0.2	2.0	SSO	0	N.	4
22	27.027	+2.3	2.0	WNW	2	HN.	4	27.189	+ 3.6	2.0	NW	3	tr.	4
23	27.190	+1.6	1.7	NW	0	FS.N.	3	27.154	+ 4.1	2.1	SSW	0	FS.N.	3
24	27.305	+0.5	1.8	W	0	N.	2	27.098	+ 4.3	2.8	S	2	F.FS.	2
25	26.971	+0.6	1.9	W	1	Sch.	4	27.000	+ 4.3	2.6	WNW	0	F.FS.	3
26	27.272	—3.2	1.5	S	0	N.	4	27.399	+ 4.2	2.2	NW	2	F.FS.	2
27	27.562	—2.0	1.6	SW	0	N.	1	27.369	+ 2.8	1.8	SO	1	FS.	4
28	27.287	+0.5	1.8	SO	0	Rg. Sch.	4	27.323	+ 2.2	2.3	SSO	1	N	4
29	27.633	—0.2	1.8	NW	0	FS.N.	2	27.544	+ 2.3	1.8	WNW	0	FS.	2
30	27.254	—0.4	1.7	SSO	1	FS.N.	3	27.173	+ 2.1	1.9	S	1	FS.	3
31	26.944	—0.3	1.7	NW	0	tr.	4	26.944	+ 1.6	2.2	SSO	0	N.	4
M	27.509	+0.30	1.86		0.7		3.2	27.496	+2.44	2.10		0.9		3.4

Jänner 1860.

10 Uhr Abends								
Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Max.	Min.	Ombr.	Anmerkungen.
‴	°	‴			°	°	‴	
27.611	+8.0	3.4	SW 0	FS. 1	+10.8	+6.4	0.14	10¼^h M. Rg. Rgbg. ☾ H
27.701	+7.7	2.7	WNW 0	FS. 3	+11.4	+4.0	......	Mrgrth. Abdr. ☾ Hof.
27.355	+1.6	2.2	SO 1	FS.N. 3	+6.3	+1.4	......	⊙ Hof.
27.024	+5.0	2.5	WNW 0	S. 4	+6.0	+2.0	......	Abds. Rg.
26.730	+6.2	2.2	NW 4	FS.H. 3	+6.8	+3.7	0.18	Abds. Rg.
27.194	+4.7	2.3	NW 0	FS.F. 3	+8.1	+3.0	0.29	Abds. Rg.
27.679	+1.4	1.5	NW 3	H. 2	+5.1	+1.1	......	Mrgs. Rg., 8^h Abds.
28.040	+0.5	1.4	NW 1	FS. 3	+3.1	+0.3	......	☾ Hof. Schnee.
27.973	+0.3	1.5	S 0	N. 2	+5.0	−2.3	......	
27.877	−1.6	1.6	S 0	N. 2	+1.5	−2.6	......	Reif.
27.925	−1.9	1.7	SO 1	N. 4	−0.7	−1.9	......	
27.940	−1.4	1.7	SO 1	S.H. 4	−0.4	−2.3	0.51*	
27.893	−1.8	1.6	SO 1	Sch. 4	−1.5	−2.4	1.25*	Schneewehen.
27.898	−1.6	1.7	SO 2	Sch. 4	−0.3	−2.9	0.19*	Schneewehen.
27.964	−2.0	1.6	SSO 1	tr. 4	−0.7	−2.4	......	
27.988	−2.3	1.6	S 0	HN. 4	−0.4	−2.6	......	
27.782	−2.8	1.6	SO 0	HN. 4	−1.6	−3.6	1.38*	Mrgs. Schnee.
27.644	−3.0	1.6	SO 0	Sch. 4	−1.7	−4.6	0.44*	
27.652	−2.2	1.6	S 1	H.N. 4	−1.6	−4.6	......	
27.497	−0.6	1.8	S 0	N. 4	−0.4	−2.2	......	Nrg.
27.197	−1.8	1.7	S 0	N. 4	+2.7	−2.0	0.31	
27.241	+2.4	1.5	NW 2	H.N. 3	+4.5	+0.6	......	
27.262	+0.8	2.0	SSO 0	N. 3	+4.2	+0.2	......	
26.930	+1.4	1.8	S 2	HN. 4	+4.5	+0.3	......	
27.119	−1.8	1.7	W 0	N. 2	+4.5	−3.6	2.19*	Mrgs. Neb. u. Rg.
27.591	+1.4	1.6	WNW 2	0	+4.3	−3.1	......	
27.293	+0.8	1.8	SSO 0	Rg. 4	+3.1	−1.9	3.38	Abds. Schnee.
27.605	+0.5	1.8	N 2	Sch. 4	+2.7	−1.0	0.56	
27.413	+0.5	1.7	SSW 0	S.FS. 4	+2.7	−0.6	......	
27.111	−0.3	1.6	SSO 0	FS.F. 2	+2.5	−1.0	......	Nrg. Schnee.
26.958	+0.3	1.9	WSW 0	tr. 4	+2.6	+0.2	2.19	Rg. Schnee.
27.519	+0.59	1.83	0.8	3.2			13.01	

Februar 1860.

Datum	6 Uhr Morgens					2 Uhr Nachmittags				
	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter
	″	°	‴			″	°	‴		
1	27.005	+2.2	1.6	WNW 3	S.FS. 4	27.084	+2.8	1.6	NW 3	FS.H. 3
2	27.287	—1.5	1.6	WNW 1	FS.F. 2	27.363	+1.4	1.5	NW 1	FS. 1
3	27.483	—2.2	1.5	NW 1	tr. 4	27.573	0.0	1.9	NNW 0	HN.F. 2
4	27.811	—2.4	1.5	NW 0	0	27.844	+0.2	1.9	NW 1	FS. 3
5	27.712	—1.1	1.7	WNW 2	FS. 1	27.648	+2.0	2.0	WNW 2	S.FS. 4
6	27.382	+3.4	1.9	NW 1	FS. 4	27.180	+5.5	1.7	NW 2	S.FS. 3
7	27.249	+0.3	1.9	NW 4	F. 1	27.376	+1.5	2.2	NW 4	Sch. 4
8	27.553	—0.2	1.8	WNW 1	S. FS. 4	27.406	+0.8	2.0	SSW 1	Sch. 4
9	27.219	+3.1	1.6	WNW 1	FS.F. 2	27.143	+5.7	1.7	WNW 2	FS.F. 3
10	27.039	+0.4	2.0	SW 0	tr. 4	27.240	+0.2	1.7	N 2	Sch. 4
11	27.499	—3.2	1.5	NNW 1	S.FS. 4	27.448	—2.1	1.7	N 2	tr. 4
12	27.371	—3.4	1.4	NW 1	tr. 4	27.425	—2.2	1.7	N 1	tr. 4
13	27.581	—4.3	1.4	NNW 1	Sch. 4	27.582	—1.8	1.5	NNW 1	F.FS. 3
14	27.654	—3.2	1.3	NNW 1	S.FS. 4	27.693	—2.0	1.8	NNW 2	Sch. 4
15	27.735	—4.3	1.4	N 1	FS.F. 3	27.653	—1.2	1.8	NW 1	F.FS. 3
16	27.314	—2.0	1.7	NW 2	Sch. 4	27.290	+1.4	1.6	NW 1	FS.S. 3
17	27.595	—2.0	1.6	SO 0	FS.N. 2	27.660	+1.8	1.8	NNW 0	FS.H. 2
18	27.596	—2.2	1.6	NW 1	Sch. 4	27.529	—0.5	1.9	WNW 3	Sch. 3
19	27.514	—0.8	1.9	NW 2	S.FS. 4	27.382	+2.2	1.5	WNW 1	S.FS. 3
20	27.089	—2.0	1.5	SW 1	FS.N. 2	27.015	+0.3	2.0	SO 1	tr. 4
21	27.087	—0.3	1.7	NW 1	tr. 4	27.128	+0.9	1.5	NNW 1	tr. 4
22	27.208	—2.2	1.6	NW 2	Sch. 4	27.284	—0.5	1.9	NW 2	Sch. 4
23	27.545	—2.1	1.7	NNW 2	Sch. 4	27.685	—0.9	1.8	NW 1	tr. 4
24	27.887	—4.0	1.4	NW 1	FS.N. 2	27.892	+0.5	1.9	SO 0	FS. 1
25	27.888	—2.0	1.5	SSO 0	F.N. 2	27.891	+2.5	1.8	SO 1	HN. 3
26	27.844	—2.1	2.0	W 0	F.N. 3	27.759	+4.2	1.8	S 1	H. 3
27	27.228	—1.1	1.6	SO 1	FS.N. 4	26.916	+1.1	1.9	N 0	Rg. 4
28	27.282	+2.3	1.6	NW 3	FS. 3	27.404	+5.2	1.6	NW 4	FS. 2
29	27.298	+4.2	1.6	NW 3	FS. 1	27.435	+5.4	1.4	NW 4	H. 2
M	27.447	—1.13	1.63	1.3	3.0	27.446	+1.19	1.76	1.6	3.1

Februar 1860.

10 Uhr Abends								
Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Max.	Min.	Ombr.	Anmerkungen.
''	°	'''			°	°		
27.245	—1.1	1.6	NW 2	FS.F. 3	+ 2.9	— 1.7	......	
27.445	—1.8	1.6	NW 0	FS. 2	+ 1.6	— 3.0	......	☾ Hof.
27.723	—1.0	1.8	NW 0	FS.H. 3	+ 0.2	— 2.8	......	Mrgs. Schnee, ☾ Hof.
27.817	—2.4	1.6	NW 2	0	+ 0.3	— 2.5	......	☾ Hof.
27.531	+1.8	1.7	NW 2	S.FS. 4	+ 3.5	— 0.6	......	☾ Hof.
27.266	+1.2	1.8	NNW 2	S.H. 3	+ 5.7	— 0.3	......	Schnee, Abds. Rg.
27.499	+0.4	1.9	NW 2	FS.H. 3	+ 1.8	— 0.6	0.'''38*	Schneegst. ☾ Hof.
27.314	+3.2	2.2	WNW 1	F.FS. 4	+ 4.2	+ 0.1	0.81*	Abdr., ☾ Hof.
27.095	+3.1	1.9	SW 0	S.H. 4	+ 5.7	+ 0.2	0.56*	N. Nchts. Schnee, Rg.
27.478	—2.4	1.6	NW 3	S.H. 4	+ 1.1	— 3.4	0.44*	
27.414	—3.6	1.5	NNW 2	Sch. 4	— 2.0	— 3.7	0.69*	N.
27.528	—3.2	1.6	NNW 1	tr. 4	— 2.2	— 4.6	0.19*	N. Schnee.
27.630	—2.5	1.5	NNW 1	tr. 4	— 2.0	— 4.5	......	
27.757	—3.4	1.5	NNW 2	tr. 4	— 2.0	— 4.8	......	
27.469	—2.8	1.6	NW 3	Sch. 4	— 1.1	— 3.9	0.50*	
27.469	—2.4	1.6	SO 0	HN. 4	+ 1.4	— 3.2	......	N.
27.676	—1.5	1.6	NW 0	N. 1	+ 1.8	— 2.7	......	Mrgs. Schnee.
27.565	—0.7	1.8	NW 2	Sch. 4	— 0.2	— 2.3	......	N.
27.125	—0.8	1.5	WNW 1	HN. 2	+ 2.3	— 2.3	......	N.
26.974	—0.4	1.8	SO 0	tr. 4	+ 0.8	— 2.0	......	Schnee.
27.191	—0.4	1.7	NW 1	HN. 3	+ 1.3	— 2.3	0.69*	N. Schnee.
27.416	—1.4	1.7	N 3	Sch. 4	— 0.4	— 2.4	0.13*	Schneegestöber.
27.829	—2.4	1.5	N 2	tr. 4	— 0.8	— 4.1	......	Schneewehen, N.
27.902	—2.0	1.5	SO 0	N. 0	+ 0.6	— 3.7	......	Reif.
27.873	—1.4	1.8	SSO 0	N. 1	+ 2.6	— 2.8	......	Reif.
27.604	—0.3	1.6	SSW 2	0	+ 4.3	— 2.2	......	Reif.
27.021	+4.3	1.9	NW 3	FS.H. 4	+ 3.2	— 1.1	0.50'	Abds. Str. NW.
27.341	+2.7	1.8	S 1	tr. 4	+ 5.4	+ 2.1	......	9½h Abds. Rg.
27.592	+2.6	1.5	NNW 2	0	+ 5.6	+ 0.2	......	
27.475	—0.64	1.68	1.4	2.9			4.89	

März 1860.

Datum	6 Uhr Morgens					2 Uhr Nachmittags				
	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter
1	27.686	+0.8	1.5	WNW 1	0	27.746	+ 4.7	1.4	NNW 1	H. 2
2	27.802	+0.4	1.7	N 0	FS.N. 4	27.831	+ 4.3	1.8	SO 1	H. 3
3	27.825	—0.8	1.8	SSO 0	FS.N. 3	27.835	+ 3.0	2.2	S 0	FS.N. 3
4	27.914	+0.7	1.8	NW 0	FS.N. 2	27.814	+ 6.0	1.9	NW 1	H.FS. 1
5	27.363	+2.0	1.7	S 1	tr. 4	27.416	+ 4.4	2.0	WNW 2	S.H. 4
6	27.487	+1.2	1.6	NW 2	FS. 3	27.574	+ 3.3	1.8	NW 2	S.H. 4
7	27.606	—1.0	1.7	NW 2	FS. 2	27.543	+ 0.8	1.4	N 2	Sch. 4
8	27.396	—1.5	1.6	NW 2	S.FS. 4	27.425	0.0	1.8	NNW 1	Sch. 3
9	27.449	—4.7	1.4	N 1	N. 2	27.363	— 1.7	1.4	NNW 1	tr. 4
10	27.297	—3.8	1.4	NW 2	Sch. 4	27.314	— 0.5	1.9	N 2	H.S. 4
11	27.405	—6.1	1.3	NW 1	FS. 1	27.404	— 1.8	1.8	NW 2	FS.H. 4
12	27.418	—7.7	1.3	NW 1	N. 3	27.375	+ 0.5	2.0	SO 1	H. 2
13	27.390	—5.5	1.4	S 1	N. 3	27.306	+ 1.5	1.7	SO 1	FS. 1
14	27.284	—4.2	1.5	SO 1	N.F. 3	27.310	+ 4.0	2.0	SW 0	FS.N. 4
15	27.246	+0.3	1.8	SO 1	Sch. 4	27.235	+ 4.4	2.2	S 1	FS. 3
16	27.438	+0.6	1.8	NW 0	F.N. 2	27.508	+ 5.3	2.0	N 1	FS.H. 3
17	27.777	—1.0	1.4	NNW 0	F.N. 2	27.825	+ 5.0	1.4	NO 1	H. 2
18	27.877	+0.4	1.5	NW 0	F.N. 2	27.813	+ 6.8	1.8	WNW 0	FS. 1
19	27.676	+2.2	1.6	SW 0	N. 3	27.696	+ 5.4	2.2	SSW 0	tr. 4
20	27.892	—1.2	2.0	O 0	H.N. 3	27.855	+ 8.7	2.7	NO 0	H. 3
21	27.725	+0.4	2.σ	SSO 0	N. 2	27.613	+ 9.8	2.4	SSO 0	0
22	27.428	+2.1	2.0	WSW 0	FS.HN. 4	27.350	+10.7	2.9	S 2	FS.H. 2
23	27.549	+3.4	2.1	NW 1	tr. 4	27.575	+ 7.1	2.1	NW 1	GH. 3
24	27.323	+1.6	1.9	SSW 1	F.N. 2	27.098	+10.1	2.0	SSO 3	FS. 3
25	27.115	+3.4	2.2	WSW 0	Rg. 4	27.091	+ 5.6	1.9	WNW 1	tr. 4
26	27.092	+3.0	2.0	NW 2	FS. 2	27.183	+ 6.0	2.0	WNW 4	H. 3
27	27.277	+3.3	2.0	WNW 1	S.FS. 4	27.282	+ 6.2	2.0	WNW 2	S.FS. 4
28	27.387	+2.8	1.8	NW 2	S.FS. 3	27.289	+ 4.4	2.4	SSW 1	Rg. 4
29	27.399	+3.2	2.2	WNW 0	Rg. 4	27.349	+ 6.5	3.2	S 1	Rg. 4
30	27.154	+4.0	3.0	SW 0	FS.H. 3	27.172	+10.3	2.7	WNW 4	S.H. 4
31	27.484	+3.2	2.2	SW 1	FS. 2	27.350	+ 8.3	2.5	SO 2	FS.F. 2
M	27.489	+1.91	1.78	0.8	2.8	27.469	+4.81	2.05	1.3	3.0

März 1860.

10 Uhr Abends								
Bar. 0°	Therm. Réaum.	Ex-pans.	Wind	Wetter	Max.	Min.	Ombr.	Anmerkungen.
'''	°	'''			°	°		
27.792	+0.6	1.8	N 0	S.H. 3	+ 4.9	— 0.6	......	N.
27.870	+1.4	1.8	SO 0	FS. 3	+ 5.2	— 1.4	......	Reif.
27.875	+2.3	2.0	NW 1	S.FS. 4	+ 3.2	— 0.7	......	Mgs. Sch., Abds. Rg.
27.646	+0.7	1.8	SSW 1	FS.F. 2	+ 6.4	+ 1.0	......	☾ Hof. ☾ Hof.
27.430	+2.2	1.8	WNW 2	FS. 3	......	......	......	Abds. Rg., ☾ Hof.
27.617	+0.5	1.6	WNW 2	FS.F. 4	......	......	......	Schneeflocken.
27.485	—0.7	1.6	NNW 1	H.GH. 4	......	......	0.'''19*	
27.470	—2.6	1.5	N 0	0	......	......	......	N.
27.310	—2.8	1.5	N 1	Sch. 4	......	......	......	Nchmttgs. Schnee.
27.361	—3.8	1.4	NNW 2	F.HN. 4	......	......	0.63*	N., Mrgs Schneew.
27.423	—4.7	1.4	NW 1	HN. 1	......	......	......	N.
27.360	—2.6	1.5	S 1	0	......	......	......	
27.310	—1.8	1.7	SO 2	0	......	......	......	Reif.
27.304	+0.4	1.8	SO 0	tr. 4	......	......	0.63	Nchmttgs. Rg., Sch.
27.360	+1.7	1.8	S 0	tr. 4	......	......	......	N.
27.677	+1.2	1.7	NNW 0	0	+ 5.5	— 1.2	......	Nchmttgs. Rg.
27.873	+1.4	1.5	WNW 0	0	+ 5.1	+ 0.2	......	
27.745	+3.4	1.7	SW 0	HN. 3	+ 7.2	+ 1.3	......	
27.840	+4.2	2.5	NW 0	N. 2	+ 6.0	— 1.1	0.50	Nchmttgs. Rg.
27.818	+3.3	2.2	SSO 0	0	+ 9.4	+ 0.2	......	
27.484	+4.4	2.1	SSO 0	N. 0	+10.6	+ 0.8	......	
27.493	+3.8	2.3	NW 1	tr. 4	+11.1	+ 2.8	3.38	Abds. $6\frac{3}{4}^{h}$—$7\frac{1}{4}^{h}$ Gew. W-OSO, Rg.
27.544	+1.7	1.8	SSW 1	0	+ 7.0	+ 0.4	......	Mrgrth.
27.069	+7.1	2.4	SSW 2	FS.F. 3	+10.5	+ 2.6	1.31	Mrgs. Rg.
27.097	+2.6	1.8	SW 0	N. 3	+ 6.4	+ 2.3	......	
27.296	+3.4	2.0	WNW 2	FS.F. 2	+ 6.4	+ 2.5	......	Abds. 6^{h} Rg., Rgbg.
27.343	+2.4	1.8	NW 3	F. 1	+ 6.4	+ 1.4	......	
27.329	+5.0	2.6	WNW 1	Rg. 4	+ 7.0	+ 3.0	3.76	
27.258	+7.2	3.3	SW 1	S.H. 4	+ 8.5	+ 3.4	1.79	
27.380	+6.2	2.7	WNW 3	H.GH. 3	+10.4	+ 2.8	......	Rg. Abds. $1\frac{3}{4}^{h}$ St. WNW.
27.228	+5.8	2.3	SSW 3	FS.S. 2	+ 9.6	+ 3.7	......	Nachts ☾ Hof.
27.487	+1.74	1.93	1.0	2.3			12.19	

April 1860.

Datum	6 Uhr Morgens					2 Uhr Nachmittags				
	Bar. 0°	Therm. Réaum.	Ex-pans.	Wind	Wetter	Bar. 0°	Therm. Réaum.	Ex-pans.	Wind	Wetter
	″	°	‴			″	°	‴		
1	27.184	+ 4.0	2.8	NW 0	FS.F. 2	27.237	+10.2	3.5	SO 1	FS. 4
2	27.274	+ 7.1	3.0	NW 1	Rg. 4	27.253	+10.0	3.3	N 0	FS.H. 3
3	27.321	+ 3.0	2.4	WNW 0	FS.N. 3	27.250	+13.7	2.7	O 1	F. 1
4	27.521	+ 5.2	2.4	WNW 1	FS. 3	27.523	+11.1	2.1	SSW 0	H. 3
5	27.496	+ 5.0	2.6	SO 2	FS.N. 4	27.436	+12.5	3.5	SSO 3	FS.H. 3
6	27.566	+ 7.0	3.1	SO 0	tr. 4	27.559	+12.5	3.9	SO 1	H. 3
7	27.511	+ 8.6	3.1	SO 3	FS. 2	27.480	+14.7	3.9	SSO 2	FS. 4
8	27.426	+10.3	3.4	SO 1	tg. 4	27.369	+15.6	4.5	SO 2	FS. 3
9	27.319	+ 8.2	3.6	S 0	FS.F. 2	27.228	+14.5	4.1	SO 1	FS. 4
10	27.255	+ 6.6	3.0	NW 1	Rg. 4	27.262	+ 9.8	2.2	NNW 2	S.H. 4
11	27.349	+ 4.2	2.2	NNW 2	H.GH. 4	27.462	+ 6.7	2.4	N 2	H.S. 4
12	27.580	+ 4.8	2.1	NNW 2	FS. 2	27.586	+ 6.2	2.2	N 2	H.S. 4
13	27.639	+ 3.6	2.0	NW 2	FS. 3	27.614	+ 6.7	2.0	N 3	H. 4
14	27.608	+ 3.8	2.2	NNW 2	S. 4	27.593	+ 6.9	2.7	NW 1	H. 4
15	27.646	+ 6.8	2.7	NW 1	FS.F. 2	27.661	+10.8	3.1	NW 0	H. 4
16	27.807	+ 3.0	1.8	N 1	S. 4	27.834	+ 9.0	2.5	SSO 1	H.FS. 3
17	27.822	+ 2.2	2.1	SSW 0	N. 1	27.731	+11.1	2.9	S 3	H.GH. 2
18	27.577	+ 7.0	2.6	SSO 2	F. 2	27.459	+12.8	3.0	S 3	FS.F. 3
19	27.197	+ 8.1	2.8	SSO 2	FS. 2	27.109	+11.5	3.3	S 2	H.S. 4
20	27.107	+ 3.6	2.3	NW 2	Rg. 4	27.103	+ 5.2	2.6	NW 2	Rg. 4
21	27.162	+ 2.5	2.1	NW 2	Rg. 4	27.199	+ 7.1	2.3	NNW 1	S.H. 4
22	27.380	+ 3.1	2.0	WNW 1	FS.H. 3	27.441	+ 8.1	2.4	WNW 1	S.H. 4
23	27.529	+ 3.3	2.1	NW 1	Rg. 4	27.523	+ 7.5	2.4	N 1	H. 4
24	27.546	+ 1.8	2.0	NW 0	F.N. 2	27.496	+10.4	2.3	SO 1	H. 1
25	27.386	+ 4.4	2.4	SO 2	F.N. 2	27.365	+12.2	2.4	SO 2	FS.GH. 3
26	27.329	+ 7.2	3.1	SO 0	Rg. 4	27.325	+10.5	3.2	WNW 1	GH. 3
27	27.413	+ 6.3	3.2	W 1	FS. 1	27.441	+12.4	3.2	WSW 0	F.GH. 3
28	27.378	+ 5.8	2.4	NNW 2	Rg. 4	27.556	+ 5.7	2.6	WNW 4	Rg. 4
29	27.732	+ 4.7	2.7	WNW 2	FS. 3	27.813	+10.3	3.2	NW 1	GH. 3
30	27.847	+ 8.1	3.1	NNW 0	S. 4	27.832	+12.7	4.0	SO 1	S.H. 4
M	27.464	+5.31	2.57	1.2	3.0	27.458	+10.28	2.95	1.5	3.4

April 1860.

10 Uhr Abends								
Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Max.	Min.	Ombr.	Anmerkungen.
″	°	‴			°	°	‴	
27.283	+ 7.8	3.2	NW 0	S.H. 4	+10.4	+ 5.8	0.36	N.
27.326	+ 7.0	2.7	W 0	HN. 2	+11.8	+ 2.3	......	N., Reif.
27.441	+ 6.3	2.5	NW 2	S.FS. 4	+14.4	+ 3.6	0.18	5½ʰ Ab. entf. Gw. W-N Rg.
27.535	+ 6.4	2.4	SSO 2	FS.F. 3	+11.7	+ 3.2	......	☾ Hof.
27.491	+ 8.3	3.2	SO 0	S.FS. 4	+13.2	+ 5.6	......	
27.541	+10.2	3.7	SO 1	S.FS. 4	+13.4	+ 7.0	......	
27.493	+11.5	3.8	SSO 0	S. 4	+14.9	+ 9.0	......	N., Nchmttgs. und Nachts Rg.
27.369	+11.3	4.1	SO 2	S.FS. 3	+16.8	+ 8.0	......	
27.240	+ 8.6	3.7	WNW 2	Rg. 4	+14.7	+ 6.5	3.22	
27.335	+ 3.8	2.4	NW 2	Rg. 4	+10.0	+ 3.6	2.50	Rgbg.
27.560	+ 4.7	2.4	N 2	Rg. 4	+ 6.8	+ 4.2	......	
27.624	+ 4.8	2.1	NNW 2	FS. 2	+ 6.4	+ 3.3	......	Rg.
27.622	+ 4.0	2.1	N 2	S. 4	+ 6.8	+ 3.5	......	Rg.
27.632	+ 5.7	2.6	NW 0	S. 4	+ 7.1	+ 4.0	......	Rg.
27.742	+ 4.5	2.2	N 2	S. 4	+11.0	+ 2.8	......	Rg.
27.833	+ 5.4	2.4	SSW 0	0	+10.0	+ 2.0	......	N., Reif.
27.669	+ 7.4	2.7	S 3	F. 1	+11.8	+ 2.6	......	
27.325	+ 8.6	2.8	S 1	S. 4	+13.2	+ 6.6	......	
27.068	+ 8.4	3.1	S 0	Rg. 4	+11.7	+ 3.2	2.15	
27.137	+ 3.5	2.3	NW 2	Rg. 4	+ 5.6	+ 2.2	1.07	
27.299	+ 3.0	2.1	NNW 1	S. 4	+ 7.1	+ 2.8	0.54	8ʰ Mgs. Schnee, Rg.
27.496	+ 6.0	2.3	N 0	S. 4	+ 8.6	+ 3.0	0.89	Nachts Rg.
27.528	+ 4.4	2.3	SW 0	0	+ 8.2	+ 1.6	......	N., Reif.
27.458	+ 6.3	2.3	S 0	0	+10.8	+ 1.9	......	
27.376	+ 7.4	2.6	SW 2	Rg. 4	+12.6	+ 6.6	2.15	
27.400	+ 7.1	3.0	WNW 1	S.FS. 4	+11.5	+ 6.0	2.15	2¾ʰ Ab. Gw. SW-NW, Rg.
27.461	+ 7.8	3.3	NNW 0	Rg. 4	+12.7	+ 4.2	13.06	
27.712	+ 5.0	2.8	WNW 2	FS.H. 4	+ 7.0	+ 3.2	1.07	Sch., Rg., 5ʰ Abds. Rgbg.
27.874	+ 7.8	3.0	NNW 0	FS.H. 4	+10.4	+ 7.0	......	
27.803	+ 9.6	3.6	SO 0	FS.H. 4	+12.9	+ 8.8	......	Nachts Rg.
27.489	+6.75	2.79	1.0	3.3			29.34	

Mai 1860.

Datum	6 Uhr Morgens					2 Uhr Nachmittags				
	Bar. 0°	Therm. Réaum.	Ex-pans.	Wind	Wetter	Bar. 0°	Therm. Réaum.	Ex-pans.	Wind	Wetter
	″	°	‴			″	°	‴		
1	27.758	+10.1	4.1	SO 0	S. 4	27.732	+13.7	4.1	SSO 1	S. 4
2	27.581	+10.0	4.3	SO 0	S. 4	27.494	+14.2	5.4	SO 1	S.H. 3
3	27.299	+10.1	5.1	NNW 0	Rg. 4	27.285	+13.6	4.3	NW 1	S.H. 3
4	27.549	+ 5.0	2.4	NNW 2	H. 2	27.561	+ 9.2	2.0	NNW 2	H. 1
5	27.491	+ 7.2	2.4	NNW 2	FS.H. 3	27.433	+11.0	2.6	NW 1	S.FS. 4
6	27.469	+ 4.2	1.7	NW 1	Rg.Sch. 4	27.529	+ 7.5	1.8	NNW 2	H.GH. 3
7	27.586	+ 4.8	2.3	WNW 1	F.N. 2	27.535	+12.2	2.7	S 1	FS. 1
8	27.507	+ 6.5	2.8	SSO 1	0	27.455	+15.7	4.4	SO 1	F. 2
9	27.569	+ 9.6	3.2	WNW 2	FS.F. 2	27.573	+17.5	3.4	WNW 2	H.FS. 3
10	27.643	+10.8	4.4	S 0	FS. 2	27.650	+18.2	4.3	NW 2	FS.GH. 3
11	27.694	+10.9	4.4	NW 0	N. 1	27.628	+19.7	5.1	SSO 1	H.GH. 2
12	27.580	+10.7	4.7	SO 0	0	27.492	+21.5	4.1	SSO 1	F.GH. 1
13	27.391	+13.0	5.0	W 2	0	27.393	+19.8	5.1	NW 2	H. 2
14	27.473	+12.0	4.5	NW 2	FS.H. 3	27.449	+16.3	4.3	NW 2	FS. 2
15	27.436	+12.6	4.2	NNW 2	FS.H. 3	27.431	+15.6	4.9	NW 1	FS. 3
16	27.469	+12.7	4.0	NNW 1	FS.H. 3	27.455	+18.7	3.7	NNW 2	H.GH. 3
17	27.528	+12.4	4.4	WNW 2	FS. 2	27.478	+18.8	5.0	NO 1	H.GH. 3
18	27.459	+11.5	4.3	NW 0	F. 2	27.409	+20.0	4.7	SSO 1	F.GH. 2
19	27.395	+12.6	4.5	SO 2	0	27.388	+20.8	5.2	SSO 2	H.GH. 2
20	27.486	+13.2	5.1	SO 1	0	27.502	+20.8	4.6	SSO 2	GH. 2
21	27.606	+13.8	5.1	OSO 0	0	27.595	+22.1	5.5	N 1	GH. 3
22	27.614	+14.6	5.0	NW 2	FS.F. 2	27.616	+16.4	5.0	NNW 1	Rg. 3
23	27.683	+11.3	4.0	NW 1	S.FS. 4	27.645	+16.4	4.7	N 1	F.GH. 3
24	27.544	+11.0	4.2	NW 0	FS.N. 2	27.490	+19.8	4.4	NW 1	FS.H. 3
25	27.599	+11.2	4.0	NW 1	FS. 2	27.609	+19.5	4.8	WNW 1	FS. 3
26	27.431	+ 9.8	4.5	NW 0	F. 2	27.297	+16.1	4.6	NW 2	H.FS. 4
27	27.287	+10.8	3.6	WNW 3	H. 2	27.318	+12.2	3.0	WNW 3	FS. 3
28	27.585	+ 6.6	2.7	WNW 2	0	27.427	+13.0	3.0	S 1	FS.H. 2
29	27.429	+ 7.1	2.3	WNW 2	S.FS. 3	27.459	+10.1	2.3	WNW 4	H.GH. 2
30	27.510	+ 6.1	2.5	WNW 3	FS.F. 2	27.504	+12.0	2.6	WNW 3	H.GH 3
31	27.456	+ 7.2	3.0	NW 0	Rg. 4	27.475	+12.9	2.4	NNW 2	H.GH. 3
M	27.520	+9.98	3.83	1.1	2.1	27.493	+15.98	4.00	1.0	2.6

Mai 1860.

10 Uhr Abends								
Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Max.	Min.	Ombr.	Anmerkungen.
″	°	‴			°	°	‴	
27.681	+10.4	4.3	SO 0	Rg. 4	+14.4	+10.0	2.15	
27.411	+12.3	5.3	SO 0	S.H. 4	+14.7	+ 9.8	18.06	Rg.
27.441	+ 7.6	2.6	N 2	H. 3	+13.8	+ 4.2	5.01	2^h Ab. Gw. NW-SSO, Rg., Sch.
27.562	+ 6.7	2.0	NNW 1	F. 1	+ 9.6	+ 5.4	......	
27.453	+ 6.3	2.4	N 1	Rg. 4	+11.2	+ 3.8	1.07	Mrgs. $6\frac{3}{4}^h$ Rg.
27.597	+ 5.8	2.0	WNW 1	FS. 1	+ 8.4	+ 2.8	1.43	N.
27.517	+ 8.2	2.6	SSO 1	0	+12.6	+ 4.7	......	
27.436	+ 9.9	3.2	WNW 4	FS.F. 2	+17.0	+ 7.4	......	Wttl. NW, Nachts Rg.
27.603	+14.0	3.9	SSO 0	tr. [illegible]	+18.0	+10.4	......	N.
27.689	+13.6	4.4	NNW 0	FS.F. 2	+18.6	+10.5	......	N.
27.600	+14.7	5.0	S 0	0	+20.4	+10.4	......	
27.429	+15.1	4.5	SSO 2	0	+22.1	+12.2	......	
27.421	+13.3	4.6	WNW 3	FS.H. 2	+20.5	+11.4	0.18	Wttl. WSW, Mgs. Gw. NW, Rg.
27.463	+13.6	4.1	NW 2	S.H. 4	+17.4	+12.2	......	
27.437	+14.5	4.5	N 1	Rg. 4	+16.9	+12.8	......	7^h Abds. Gew. SW, Rg., Rgbg.
27.525	+13.6	4.6	NW 2	FS.F. 3	+18.9	+12.0	......	
27.471	+14.2	4.3	NW 0	FS. 1	+19.3	+11.2	......	
27.389	+14.7	4.3	SO 1	0	+20.6	+12.0	......	
27.422	+15.6	5.3	S 0	0	+21.0	+12.4	......	11^h Nachts Wttl. W.
27.565	+16.5	5.3	S 0	0	+21.4	+13.2	......	Wttl. S.
27.592	+17.2	5.1	NW 1	FS. 1	+23.0	+14.0	......	
27.684	+12.2	4.0	NNW 1	S.H. 4	+18.8	+11.0	2.15	Rg.
27.606	+13.5	5.2	NW 0	F. 1	+17.1	+10.2	......	N.
27.556	+13.0	4.3	NW 2	S. 4	+20.4	+10.8	2.15	⊙ Hof, $5\frac{1}{4}^h$ Ab. Gew. WNW-O, W-N, Rg., Rgbg.
27.571	+12.3	4.4	NW 0	F. 2	+20.6	+ 9.4	......	Rg.
27.269	+10.6	4.3	NW 0	FS.F. 2	+19.7	+10.2	1.07	$2\frac{1}{2}^h$ Ab. Gew. S-NW, Rg., $7\frac{1}{2}^h$ Ab. Rgbg.
27.492	+ 7.1	2.7	WNW 3	FS. 3	+14.1	+ 6.2	......	Rg.
27.430	+ 7.3	2.8	SSW 1	S.H. 4	+13.4	+ 6.6	0.18	Rg.
27.512	+ 6.1	2.4	NW 3	S. 3	+11.2	+ 5.3	......	Rg., Sch., 5^h Abds. Rgbg.
27.522	+ 7.7	2.6	WNW 1	F. 1	+12.6	+ 6.7	0.36	
27.495	+ 8.7	2.7	NNW 2	0	+13.0	+ 5.5	......	Rg.
27.511	+11.49	3.86	1.1	2.1			33.81	

Juni 1860.

Datum	6 Uhr Morgens					2 Uhr Nachmittags				
	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter
	″	°	‴			″	°	‴		
1	27.408	+ 7.4	3.1	WNW 0	FS.H. 2	27.399	+15.1	4.2	SW 0	FS.H. 3
2	27.444	+11.2	4.1	SW 0	FS.H. 3	27.400	+19.9	5.4	S 1	FS. 4
3	27.411	+13.6	4.4	WNW 1	FS.H. 3	27.445	+18.0	5.1	NO 0	F.H. 3
4	27.448	+13.1	4.1	NW 2	FS.F. 2	27.532	+12.0	5.0	NW 0	Rg. 4
5	27.509	+13.0	4.3	WNW 1	FS.H. 2	27.500	+12.0	4.5	NNW 3	S.H. 4
6	27.680	+11.5	3.6	NW 1	F. 1	27.636	+17.4	3.9	S 1	H. 1
7	27.526	+11.7	4.2	S 0	F. 1	27.445	+19.0	5.2	S 1	S.FS. 4
8	27.531	+11.7	4.2	WNW 2	Rg. 4	27.577	+16.9	4.4	NW 2	FS.H. 3
9	27.601	+10.7	4.0	NW 0	N. 1	27.511	+19.7	5.0	SSO 1	FS.H. 2
10	27.403	+12.9	4.6	SO 2	N. 1	27.312	+20.7	4.7	S 3	H.GH. 2
11	27.445	+12.6	4.4	NW 1	Rg. 4	27.547	+16.6	4.7	NNW 1	GH. 4
12	27.598	+11.6	3.8	NW 0	0	27.549	+18.3	4.0	NNW 0	0
13	27.511	+12.0	4.6	SO 0	0	27.459	+21.0	4.9	SSO 2	GH. 1
14	27.366	+14.8	5.1	SO 3	0	27.282	+21.8	5.0	SSO 3	F.GH. 2
15	27.262	+15.1	5.0	NW 0	FS. 3	27.265	+14.2	4.9	WNW 2	GH. 4
16	27.330	+12.3	4.2	NW 2	FS. 4	27.286	+17.0	5.1	ONO 1	FS.GH. 3
17	27.320	+11.2	4.0	NW 3	Rg. 4	27.372	+14.2	3.9	WNW 3	FS. 3
18	27.381	+12.3	4.0	WNW 2	S.FS. 4	27.407	+15.8	4.1	WNW 2	FS.H. 3
19	27.531	+12.1	4.2	NW 2	0	27.502	+17.9	4.4	N 0	H.GH. 1
20	27.541	+12.4	5.0	O 0	FS. 2	27.483	+21.5	4.3	SSO 2	H. 1
21	27.558	+15.1	5.2	W 1	FS. 2	27.520	+21.7	5.4	O 0	GH. 2
22	27.506	+14.9	5.5	WNW 1	S.FS. 4	27.576	+14.5	5.9	NW 1	Rg. 4
23	27.643	+12.0	4.6	NW 2	Rg. 4	27.665	+13.5	5.1	N 1	S. 4
24	27.655	+11.2	4.5	NW 1	S. 4	27.648	+14.5	4.9	NNW 1	S.H. 4
25	27.603	+13.4	5.4	NW 0	Rg. 4	27.597	+18.4	6.0	NW 1	FS.H. 3
26	27.616	+15.2	5.5	WNW 0	F. 2	27.590	+22.8	5.8	NW 1	FS.GH. 2
27	27.587	+17.5	6.1	NW 0	FS. 3	27.602	+21.7	6.7	NW 1	F.GH. 3
28	27.568	+15.6	6.0	S 1	FS. 1	27.548	+19.7	6.6	NW 1	Rg. 4
29	27.528	+16.2	6.0	NW 0	Rg. 4	27.504	+18.0	5.7	NW 1	FS. 4
30	27.556	+11.2	4.1	NW 1	FS.F. 2	27.537	+14.3	4.3	NW 0	FS.S. 4
M	27.502	+12.85	4.59	1.0	2.4	27.490	+17.60	4.97	1.2	2.9

Juni 1860.

10 Uhr Abends								
Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Max.	Min.	Ombr.	Anmerkungen.
‴	°	‴			°	°	‴	
27.444	+11.4	4.3	WNW 0	FS.F. 1	+16.2	+9.0	1.61	Rg., $7\frac{1}{4}^h$ Abds. Rgbg.
27.300	+13.7	4.1	SO 0	FS.N. 2	+20.3	+12.5	0.18	Mrgs. Rg.
27.327	+15.0	5.3	SSO 0	FS.F. 2	+18.8	+12.8	......	Rg.
27.540	+11.6	4.0	WNW 2	S.FS. 4	+13.6	+10.8	1.25	
27.631	+10.6	3.6	NW 2	0	+18.6	+9.4	4.65	1^h—2^h Nchm. Gew. NW-O u.N, Rg., Hgl.
27.600	+13.0	4.4	SO 0	0	+18.8	+10.6	......	
27.498	+13.6	4.6	SW 0	FS. 1	+19.4	+11.0	......	Rg.
27.593	+13.8	4.0	WNW 0	0	+17.4	+9.5	......	
27.457	+14.2	4.4	SSO 1	0	+20.4	+12.5	......	
27.279	+16.4	5.2	SW 0	FS. 2	+21.4	+12.4	0.89	Wttl. W, Nachts Rg.
27.577	+12.4	4.3	NW 0	FS. 2	+16.8	+10.4	0.54	
27.522	+14.6	4.6	OSO 0	0	+19.6	+11.4	......	
27.415	+16.4	5.2	S 1	FS.F. 2	+21.7	+12.8	......	$9\frac{1}{4}^h$ Abds. gr. Feuerkgl.
27.274	+18.2	5.3	S 1	S.FS. 4	+22.5	+14.8	......	Wttl. S.
27.355	+12.6	4.2	WNW 2	S.FS. 4	+17.2	+11.9	0.72	Rg. Abdr.
27.252	+14.6	5.3	S 0	FS. 2	+17.7	+10.8	0.36	Abdr.
27.377	+12.4	4.2	NW 2	S. 4	+15.0	+11.8	......	Rg., Abdr.
27.495	+12.2	3.7	NW 2	FS.F. 2	+16.3	+11.6	......	Abdr.
27.508	+14.8	4.7	O 0	FS. 4	+18.7	+12.3	......	
27.477	+15.2	4.3	SO 2	FS. 2	+22.0	+14.5	......	
27.487	+17.3	5.8	SO 2	FS.F. 3	+23.0	+14.6	......	
27.623	+12.6	4.7	NW 2	S. 4	+16.8	+11.7	4.11	
27.680	+11.2	4.6	NNW 2	Rg. 4	+14.8	+10.8	1.43	
27.627	+14.0	4.7	WNW 2	S.FS. 4	+15.4	+11.7	1.25	
27.597	+15.5	5.6	NW 0	0	+20.6	+14.5	......	6^h Abds. Rg., Rgbg.
27.553	+18.6	5.7	WNW 0	F. 1	+23.7	+15.6	......	Mrgs. Rg.
27.598	+18.4	6.1	NW 0	FS.F. 1	+22.9	+15.0	......	$12\frac{1}{4}^h$ Mttgs. Rg., Abdr.
27.536	+16.6	5.1	WNW 0	FS.F. 2	+21.8	+15.2	......	$12\frac{3}{4}^h$ Mttgs. Rg.
27.571	+11.5	4.6	NW 2	Rg. 4	+19.5	+10.4	0.89	
27.538	+11.4	3.9	NW 2	S.H. 4	+15.3	+10.2	0.18	Abdr., Nachts Rg.
27.497	+14.13	4.68	0.9	2.2			18.06	

Juli 1860.

Datum	6 Uhr Morgens					2 Uhr Nachmittags				
	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter
	''	°	'''			''	°	'''		
1	27.587	+10.3	4.5	NW 2	S. 4	27.611	+15.3	3.5	WNW 1	F.GH. 3
2	27.709	+10.5	3.6	NW 2	FS.H. 3	27.723	+13.8	4.0	WNW 3	FS. 3
3	27.765	+10.7	4.0	WNW 2	S.FS. 4	27.732	+15.3	4.0	NW 1	H. 4
4	27.654	+12.1	4.1	WNW 1	S.FS. 4	27.552	+16.5	4.4	WNW 2	FS.H. 3
5	27.468	+ 9.1	3.2	NNW 2	FS. 3	27.548	+13.7	2.8	NNW 3	H. 2
6	27.502	+ 9.5	3.0	WNW 3	S. 4	27.417	+13.7	3.9	NW 4	S.H. 3
7	27.591	+ 8.8	3.0	WNW 3	FS.H. 2	27.627	+13.7	3.2	NW 3	GH. 4
8	27.656	+10.4	3.1	NW 1	S.FS. 4	27.631	+14.3	3.4	N 1	FS.H. 3
9	27.685	+ 8.7	3.2	NNW 0	F. 1	27.609	+17.0	4.3	SO 1	FS.H. 2
10	27.498	+12.2	3.8	SW 0	FS.N. 2	27.449	+16.8	6.1	O 1	FS. 4
11	27.420	+12.3	4.4	NW 1	S.H. 4	27.415	+13.9	4.8	NW 2	S.H. 4
12	27.364	+11.2	4.1	NW 2	S.H. 4	27.344	+15.2	4.5	NW 3	FS.H. 3
13	27.307	+12.2	4.1	NW 3	FS.H. 3	27.330	+17.1	4.5	WNW 1	FS.H. 3
14	27.419	+13.1	4.3	NW 1	FS. 2	27.457	+19.2	4.8	WNW 1	H.GH. 3
15	27.624	+14.5	4.6	NW 2	F. 1	27.620	+20.4	5.0	NNW 1	H. 2
16	27.614	+14.1	5.0	NW 0	N. 1	27.544	+22.5	6.0	NW 1	H.GH. 2
17	27.506	+15.0	5.6	O 1	N. 1	27.464	+23.8	7.0	SO 0	H.GH. 3
18	27.494	+15.2	7.0	SW 0	N. 1	27.438	+23.1	6.2	SO 1	H.S. 2
19	27.433	+16.2	6.1	NW 1	FS.H. 2	27.448	+16.0	6.5	SO 1	Rg. 4
20	27.465	+14.4	5.5	WNW 1	Rg. 4	27.431	+20.0	7.1	N 0	FS.H. 3
21	27.594	+10.8	4.0	NW 2	Rg. 4	27.586	+18.3	4.6	NW 1	H.GH. 3
22	27.572	+13.6	5.1	S 0	FS. 2	27.503	+19.4	5.5	SO 1	H. 3
23	27.504	+13.6	4.5	WNW 1	FS.F. 2	27.559	+16.4	5.0	WNW 1	FS. 4
24	27.524	+11.8	4.0	NW 1	FS.H. 3	27.482	+17.4	4.7	NW 0	FS.H. 3
25	27.361	+11.5	4.6	ONO 0	FS.N. 2	27.360	+14.4	4.6	WNW 2	FS. 4
26	27.420	+11.3	4.2	NW 1	S. 4	27.415	+15.1	4.6	NW 1	FS. 4
27	27.434	+10.8	3.9	NW 0	FS.F. 2	27.407	+18.4	4.5	N 0	FS. 3
28	27.461	+10.3	4.1	NW 1	FS. 1	27.410	+17.0	4.1	N 1	H.GH. 2
29	27.328	+11.6	4.8	S 0	FS. 2	27.344	+14.3	4.4	WNW 1	Rg. 4
30	27.343	+11.8	4.0	NW 0	S.FS. 4	27.330	+16.3	4.3	WNW 2	S.FS. 4
31	27.308	+11.4	4.0	WNW 3	FS.H. 3	27.336	+14.9	4.3	WNW 3	S.H. 4
M	27.504	+11.90	4.30	1.2	2.7	27.488	+16.88	4.73	1.4	3.2

Juli 1860.

10 Uhr Abends								
Bar. 0°	Therm. Réaum.	Ex-pans.	Wind	Wetter	Max.	Min.	Ombr.	Anmerkungen.
27.'''699	+11.°3	3.'''7	NW 2	H.GH. 2	+15.°6	+ 9.°8	......	Rg.
27.736	+11.0	4.0	NW 2	FS.F. 1	+14.1	+10.3	0.'''54	Rg., $5\frac{1}{4}^h$ Mgs. Rgbg.
27.722	+12.2	4.0	NW 0	FS.F. 3	+16.0	+11.6	0.89	Rg.
27.452	+14.2	4.1	NW 3	S. 4	+17.4	+ 8.8	1.25	Nachts Rg.
27.581	+10.2	3.1	NW 2	FS.F. 2	+14.2	+ 9.0	......	$6\frac{1}{2}^h$ Mgs. Rgbg.
27.603	+11.4	3.8	NW 2	S.H. 4	+13.9	+ 8.2	0.72	Rg.
27.664	+10.5	3.2	NW 1	FS. 1	+14.0	+ 9.3	......	Rg., 5^h Mgs. Rgbg.
27.690	+11.1	3.3	N 0	FS.F. 3	+14.7	+ 8.1	......	Abdr.
27.528	+13.0	4.1	SO 1	0	+17.8	+10.6	......	
27.453	+12.2	4.7	NW 1	S. 4	+17.8	+11.3	0.72	Rg.
27.395	+10.7	4.3	NW 2	Rg. 4	+14.1	+10.3	0.18	
27.329	+12.3	4.0	NW 4	FS. 1	+15.6	+11.3	......	
27.366	+14.0	4.2	NW 2	FS.F. 4	+18.0	+12.5	......	Rg., 7^h Vrmtt. Rgbg.
27.551	+15.8	4.5	NW 2	F. 1	+19.7	+13.5	......	Abdr.
27.630	+16.4	4.8	NW 0	0	+21.3	+12.9	......	
27.504	+18.6	6.0	N 0	F. 1	+23.5	+14.6	......	Abdr.
27.488	+18.6	6.6	SW 0	FS.F. 2	+24.6	+14.8	......	Rg.
27.420	+19.2	6.7	SO 0	FS.N. 1	+24.3	+14.8	......	Wttl. S.
27.459	+16.4	5.6	WNW 2	S. 4	+20.5	+14.2	2.15	$10\frac{3}{4}^h$ — $12\frac{1}{4}^h$ Mttgs.
27.522	+10.8	4.6	NW 3	Rg. 4	+20.6	+10.3	1.25	Gw. S-N, Gussrg.
27.587	+14.2	4.8	S 0	FS.F. 2	+18.7	+11.3	......	
27.478	+15.2	5.4	S 0	0	+19.8	+12.8	......	
27.544	+12.6	4.4	WNW 2	S. 4	+17.5	+11.4	0.18	Rg.
27.424	+13.8	5.0	ONO 0	F. 1	+18.6	+10.9	......	N.
27.387	+12.0	4.0	NW 3	S. 4	+16.2	+11.1	......	Rg.
27.438	+11.8	4.0	NW 0	FS.F. 2	+16.3	+10.4	......	Rg.
27.480	+11.3	4.2	WNW 2	FS.H. 3	+18.8	+ 9.8	0.89	Rg.
27.397	+13.7	4.8	NNW 0	FS. 2	+17.7	+10.4	.....	
27.343	+12.4	4.2	WNW 1	S.FS. 4	+16.2	+11.5	0.36	Rg. Abdr.
27.356	+12.6	4.0	WNW 3	FS.H. 3	+17.0	+11.2	......	Abdr.
27.359	+10.2	3.8	NW 4	Rg. 4	+15.1	+ 9.2	6.80	Rg.
27.503	+13.22	4.45	1.4	2.4			15.93	

August 1860.

Datum	6 Uhr Morgens					2 Uhr Nachmittags				
	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter
	″	°	‴			″	°	‴		
1	27.400	+ 9.3	4.0	NW 4	Rg. 4	27.506	+13.3	4.3	WNW 3	S.H. 4
2	27.581	+10.8	4.1	WNW 1	FS.F. 2	27.549	+18.0	4.4	WNW 2	GH. 2
3	27.496	+11.2	4.2	WNW 1	FS. 2	27.434	+16.5	4.4	WNW 1	FS.H. 3
4	27.341	+11.8	4.4	SW 1	FS.F. 2	27.257	+18.5	4.7	S 1	H. 3
5	27.308	+12.4	4.8	WNW 2	FS. 2	27.407	+17.4	4.6	WNW 2	GH. 2
6	27.486	+12.6	5.0	SSO 1	FS. 2	27.411	+20.8	5.7	S 2	FS.H. 3
7	27.389	+13.4	5.1	NW 2	0	27.449	+19.4	5.5	N 1	FS.H. 3
8	27.592	+10.1	3.7	WNW 2	S.H. 4	27.607	+14.6	4.6	NW 1	FS.H. 3
9	27.628	+ 9.2	4.0	WNW 0	N. 1	27.530	+17.9	4.2	SSO 1	F. 1
10	27.504	+12.2	4.6	W 0	FS.F.N. 2	27.532	+19.0	5.5	N 1	F.GH. 2
11	27.520	+12.6	4.7	NW 0	FS.H. 3	27.502	+12.2	5.0	NW 1	Rg. 4
12	27.480	+ 9.4	4.5	WNW 0	F.N. 2	27.394	+19.0	6.2	S 1	F.FS. 3
13	27.460	+12.2	4.5	WNW 1	S. 4	27.494	+18.1	4.9	WNW 2	FS.H. 2
14	27.510	+10.3	4.6	SW 0	F.N. 1	27.427	+18.6	5.5	S 3	H.GH. 2
15	27.524	+12.3	4.5	WNW 1	FS.F. 3	27.529	+19.2	5.2	SSO 0	GH. 1
16	27.490	+12.8	5.3	SO 0	0	27.397	+21.0	6.7	SO 2	H.GH. 3
17	27.305	+15.1	6.4	NO 0	FS.F.N. 3	27.299	+23.8	7.2	SSW 3	FS. 3
18	27.557	+13.0	4.4	NW 2	FS. 2	27.601	+18.4	5.4	N 1	FS.H. 1
19	27.639	+14.2	4.6	NW 0	FS.H. 3	27.636	+18.9	4.8	NNW 1	H.GH. 1
20	27.699	+13.6	4.5	WNW 0	FS. 2	27.643	+19.0	5.6	SO 0	F.FS. 2
21	27.486	+12.7	5.4	S 0	FS.N. 3	27.418	+20.2	6.2	SSW 2	FS. 4
22	27.531	+12.5	4.0	WNW 2	S.FS. 4	27.516	+17.0	4.8	NW 0	FS.H. 3
23	27.485	+12.8	4.3	WNW 0	FS.N. 3	27.536	+19.0	4.7	NW 2	FS.H. 3
24	27.653	+11.8	4.2	WNW 0	FS. 1	27.587	+18.7	5.9	S 0	FS. 3
25	27.598	+12.6	4.2	WNW 1	FS.N. 2	27.589	+19.5	3.7	WNW 3	F.FS. 2
26	27.626	+10.5	4.5	WNW 0	F.N. 1	27.572	+22.6	5.2	SSO 1	H. 1
27	27.563	+13.5	5.8	W 0	N. 0	27.511	+26.5	4.5	SSW 3	0
28	27.418	+14.3	5.4	S 0	0	27.514	+20.6	5.4	NNW 2	FS.H. 2
29	27.514	+12 5	4.6	WNW 1	FS. 3	27.441	+16.7	5.6	NW 1	S. 4
30	27.462	+12.1	5.0	NW 0	FS.N. 2	27.433	+21.0	5.6	NW 1	FS.H. 2
31	27.451	+12.3	5.2	NW 0	N. 2	27.373	+23.6	5.6	SW 3	FS. 2
M	27.506	+12.13	4.65	0.7	2.1	27.487	+19.00	5.21	1.5	2.1

August 1860.

10 Uhr Abends											Anmerkungen.
Bar. 0°	Therm. Réaum.	Expans.	Wind		Wetter		Max.	Min.	Ombr.		
‴	°	‴					°	°	‴		
27.587	+12.3	4.1	WNW	0	S.H.	4	+14.8	+10.3	1.61	Abdr.
27.530	+12.4	4.2	NNW	1	F.N.	1	+18.4	+ 9.9	......	
27.364	+12.6	4.6	S	0	FS.F.	2	+17.8	+11.2	......	
27.276	+12.8	4.7	NW	0	FS.H.	4	+19.0	+12.2	1.07	Abds.Rg.,Rgbg.Abdr.
27.471	+15.0	5.2	WNW	0	FS.H.	4	+18.3	+12.7	......	Rg.
27.369	+17.0	5.6	S	2		0	+21.8	+13.2	......	
27.545	+12.4	4.3	NW	2	S.GH.	4	+19.7	+ 9.2	8.94	4¼h Nchmttgs. Rg.
27.630	+11.6	3.8	NW	1		0	+16.3	+ 8.0	......	Abdr.
27.477	+13.5	4.5	S	2	FS.	1	+18.5	+10.1	......	
27.505	+15.6	5.6	NO	0	FS.	2	+20.0	+12.4	......	
27.497	+12.2	4.6	NW	0	FS.F.	2	+14.3	+ 9.2	1.43	N., Rg., Abdr.
27.417	+13.2	4.4	NW	3	S.GH.	4	+19.5	+11.0	0.72	Wttl. W, Rg.
27.517	+13.3	4.6	WSW	0	N.	1	+18.8	+ 9.8	......	
27.428	+13.6	4.5	W	4	S.GH.	4	+19.4	+11.5	......	Wttl. N-O, Gw., Rg.
27.511	+14.7	5.2	SO	2	FS.	1	+20.0	+12.5	......	Abdr.
27.334	+17.6	6.5	SO	1	F.	1	+22.0	+14.5	......	N.
27.329	+18.1	7.5	NW	2	FS.H.	2	+24.5	+12.4	......	Wttl. NNW, Rg.
27.638	+16.0	4.7	NW	1	S.	4	+19.5	+14.6	......	Abdr.
27.690	+15.3	4.6	WNW	1	FS.	2	+19.4	+12.4	......	
27.581	+15.4	5.4	S	0		0	+20.3	+12.0	......	
27.469	+13.2	4.6	NW	2	Rg.	4	+20.4	+11.8	......	
27.465	+13.4	4.4	SSO	0	S.FS.	3	+17.8	+12.6	......	Mrgth., Mgs. Rg., N.
27.629	+14.5	4.8	WNW	1	S.	4	+19.4	+11.4	......	Rg., Abdr.
27.626	+14.3	4.2	NW	1	S.	4	+19.2	+12.1	......	
27.597	+15.1	5.3	WNW	0	S.	1	+20.2	+ 9.8	......	
27.590	+15.0	5.4	W	0		0	+24.2	+13.0	......	
27.489	+18.4	5.7	SSO	1		0	+27.1	+14.0	......	
27.573	+15.8	5.2	NW	0	FS.H.	3	+20.8	+12.1	......	4¼h Abds. Rg., Abdr.
27.461	+13.7	5.0	NW	1	FS.H.	2	+18.3	+11.5	......	Rg., Abdr.
27.428	+15.8	6.0	WSW	0	N.	1	+22.3	+12.1	......	
27.357	+18.4	6.3	SW	0		0	+24.0	+12.5	......	
27.496	+14.59	5.02		0.9		2.1			13.77	

April 1860.

Datum	6 Uhr Morgens					2 Uhr Nachmittags				
	Bar. 0°	Therm. Réaum.	Ex-pans.	Wind	Wetter	Bar. 0°	Therm. Réaum.	Ex-pans.	Wind	Wetter
	''	°	'''			''	°	'''		
1	27.184	+ 4.0	2.8	NW 0	FS.F. 2	27.237	+10.2	3.5	SO 1	FS. 4
2	27.274	+ 7.1	3.0	NW 1	Rg. 4	27.253	+10.0	3.3	N 0	FS.H. 3
3	27.321	+ 3.0	2.4	WNW 0	FS.N. 3	27.250	+13.7	2.7	O 1	F. 1
4	27.521	+ 5.2	2.4	WNW 1	FS. 3	27.523	+11.1	2.1	SSW 0	H. 3
5	27.496	+ 5.0	2.6	SO 2	FS.N. 4	27.436	+12.5	3.5	SSO 3	FS.H. 3
6	27.566	+ 7.0	3.1	SO 0	tr. 4	27.559	+12.5	3.9	SO 1	H. 3
7	27.511	+ 8.6	3.1	SO 3	FS. 2	27.480	+14.7	3.9	SSO 2	FS. 4
8	27.426	+10.3	3.4	SO 1	tr. 4	27.369	+15.6	4.5	SO 2	FS. 3
9	27.319	+ 8.2	3.6	S 0	FS.F. 2	27.228	+14.5	4.1	SO 1	FS. 4
10	27.255	+ 6.6	3.0	NW 1	Rg. 4	27.262	+ 9.8	2.2	NNW 2	S.H. 4
11	27.349	+ 4.2	2.2	NNW 2	H.GH. 4	27.462	+ 6.7	2.4	N 2	H.S. 4
12	27.580	+ 4.8	2.1	NNW 2	FS. 2	27.586	+ 6.2	2.2	N 2	H.S. 4
13	27.639	+ 3.6	2.0	NW 2	FS. 3	27.614	+ 6.7	2.0	N 3	H. 4
14	27 608	+ 3.8	2.2	NNW 2	S. 4	27.593	+ 6.9	2.7	NW 1	H. 4
15	27.646	+ 6.8	2.7	NW 1	FS.F. 2	27.661	+10.8	3.1	NW 0	H. 4
16	27.807	+ 3.0	1.8	N 1	S. 4	27.834	+ 9.0	2.5	SSO 1	H.FS. 3
17	27.822	+ 2.2	2.1	SSW 0	N. 1	27.731	+11.1	2.9	S 3	H.GH. 2
18	27.577	+ 7.0	2.6	SSO 2	F. 2	27.459	+12.8	3.0	S 3	FS.F. 3
19	27.197	+ 8.1	2.8	SSO 2	FS. 2	27.109	+11.5	3.3	S 2	H.S. 4
20	27.107	+ 3.6	2.3	NW 2	Rg. 4	27.103	+ 5.2	2.6	NW 2	Rg. 4
21	27.162	+ 2.5	2.1	NW 2	Rg. 4	27.199	+ 7.1	2.3	NNW 1	S.H. 4
22	27.380	+ 3.1	2.0	WNW 1	FS.H. 3	27.441	+ 8.1	2.4	WNW 1	S.H. 4
23	27.529	+ 3.3	2.1	NW 1	Rg. 4	27.523	+ 7.5	2.4	N 1	H. 4
24	27.546	+ 1.8	2.0	NW 0	F.N. 2	27.496	+10.4	2.3	SO 1	H. 1
25	27.386	+ 4.4	2.4	SO 2	F.N. 2	27.365	+12.2	2.4	SO 2	FS.GH. 3
26	27.329	+ 7.2	3.1	SO 0	Rg. 4	27.325	+10.5	3.2	WNW 1	GH. 3
27	27.413	+ 6.3	3.2	W 1	FS. 1	27.441	+12.4	3.2	WSW 0	F.GH. 3
28	27.378	+ 5.8	2.4	NNW 2	Rg. 4	27.556	+ 5.7	2.6	WNW 4	Rg. 4
29	27.732	+ 4.7	2.7	WNW 2	FS. 3	27.813	+10.3	3.2	NW 1	GH. 3
30	27.847	+ 8.1	3.1	NNW 0	S. 4	27.832	+12.7	4.0	SO 1	S.H. 4
M	27.464	+5.31	2.57	1.2	3.0	27.458	+10.28	2.95	1.5	3.4

April 1860.

10 Uhr Abends								
Bar. 0°	Therm. Réaum.	Ex-pans.	Wind	Wetter	Max.	Min.	Ombr.	Anmerkungen.
''	°	'''			°	°	'''	
27.283	+ 7.8	3.2	NW 0	S.H. 4	+10.4	+ 5.8	0.36	N.
27.326	+ 7.0	2.7	W 0	HN. 2	+11.8	+ 2.3	......	N., Reif.
27.441	+ 6.3	2.5	NW 2	S.FS. 4	+14.4	+ 3.6	0.18	$5\frac{1}{3}^h$ Ab. entf. Gw. W-N Rg.
27.535	+ 6.4	2.4	SSO 2	FS.F. 3	+11.7	+ 3.2	......	☾ Hof.
27.491	+ 8.3	3.2	SO 0	S.FS. 4	+13.2	+ 5.6	......	
27.541	+10.2	3.7	SO 1	S.FS. 4	+13.4	+ 7.0	......	
27.493	+11.5	3.8	SSO 0	S. 4	+14.9	+ 9.0	......	N., Nchmttgs. und Nachts Rg.
27.369	+11.3	4.1	SO 2	S.FS. 3	+16.8	+ 8.0	......	
27.240	+ 8.6	3.7	WNW 2	Rg. 4	+14.7	+ 6.5	3.22	
27.335	+ 3.8	2.4	NW 2	Rg. 4	+10.0	+ 3.6	2.50	Rgbg.
27.560	+ 4.7	2.4	N 2	Rg. 4	+ 6.8	+ 4.2	......	
27.624	+ 4.8	2.1	NNW 2	FS. 2	+ 6.4	+ 3.3	......	Rg.
27.622	+ 4.0	2.1	N 2	S. 4	+ 6.8	+ 3.5	......	Rg.
27.632	+ 5.7	2.6	NW 0	S. 4	+ 7.1	+ 4.0	......	Rg.
27.742	+ 4.5	2.2	N 2	S. 4	+11.0	+ 2.8	......	Rg.
27.833	+ 5.4	2.4	SSW 0	0	+10.0	+ 2.0	......	N., Reif.
27.669	+ 7.4	2.7	S 3	F. 1	+11.8	+ 2.6	......	
27.325	+ 8.6	2.8	S 1	S. 4	+13.2	+ 6.6	......	
27.068	+ 8.4	3.1	S 0	Rg. 4	+11.7	+ 3.2	2.15	
27.137	+ 3.5	2.3	NW 2	Rg. 4	+ 5.6	+ 2.2	1.07	
27.299	+ 3.0	2.1	NNW 1	S. 4	+ 7.1	+ 2.8	0.54	8^h Mgs. Schnee, Rg.
27.496	+ 6.0	2.3	N 0	S. 4	+ 8.6	+ 3.0	0.89	Nachts Rg.
27.528	+ 4.4	2.3	SW 0	0	+ 8.2	+ 1.6	......	N., Reif.
27.458	+ 6.3	2.3	S 0	0	+10.8	+ 1.9	......	
27.376	+ 7.4	2.6	SW 2	Rg. 4	+12.6	+ 6.6	2.15	
27.400	+ 7.1	3.0	WNW 1	S.FS. 4	+11.5	+ 6.0	2.15	$2\frac{3}{4}^h$ Ab. Gw. SW-NW, Rg.
27.461	+ 7.8	3.3	NNW 0	Rg. 4	+12.7	+ 4.2	13.06	
27.712	+ 5.0	2.8	WNW 2	FS.H. 4	+ 7.0	+ 3.2	1.07	Sch., Rg., 5^h Abds. Rgbg.
27.874	+ 7.8	3.0	NNW 0	FS.H. 4	+10.4	+ 7.0	......	
27.803	+ 9.6	3.6	SO 0	FS.H. 4	+12.9	+ 8.8	......	Nachts Rg.
27.489	+6.75	2.79	1.0	3.3			29.34	

Mai 1860.

Datum	6 Uhr Morgens					2 Uhr Nachmittags				
	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter
	″	°	‴			″	°	‴		
1	27.758	+10.1	4.1	SO 0	S. 4	27.732	+13.7	4.1	SSO 1	S. 4
2	27.581	+10.0	4.3	SO 0	S. 4	27.494	+14.2	5.4	SO 1	S.H. 3
3	27.299	+10.1	5.1	NNW 0	Rg. 4	27.285	+13.6	4.3	NW 1	S.H. 3
4	27.549	+ 5.0	2.4	NNW 2	H. 2	27.561	+ 9.2	2.0	NNW 2	H. 1
5	27.491	+ 7.2	2.4	NNW 2	FS.H. 3	27.433	+11.0	2.6	NW 1	S.FS. 4
6	27.469	+ 4.2	1.7	NW 1	Rg.Sch. 4	27.529	+ 7.5	1.8	NNW 2	H.GH. 3
7	27.586	+ 4.8	2.3	WNW 1	F.N. 2	27.535	+12.2	2.7	S 1	FS. 1
8	27.507	+ 6.5	2.8	SSO 1	0	27.455	+15.7	4.4	SO 1	F. 2
9	27.569	+ 9.6	3.2	WNW 2	FS.F. 2	27.573	+17.5	3.4	WNW 2	H.FS. 3
10	27.643	+10.8	4.4	S 0	FS. 2	27.650	+18.2	4.3	NW 2	FS.GH. 3
11	27.694	+10.9	4.4	NW 0	N. 1	27.628	+19.7	5.1	SSO 1	H.GH. 2
12	27.580	+10.7	4.7	SO 0	0	27.492	+21.5	4.1	SSO 1	F.GH. 1
13	27.391	+13.0	5.0	W 2	0	27.393	+19.8	5.1	NW 2	H. 2
14	27.473	+12.0	4.5	NW 2	FS.H. 3	27.449	+16.3	4.3	NW 2	FS. 2
15	27.436	+12.6	4.2	NNW 2	FS.H. 3	27.431	+15.6	4.9	NW 1	FS. 3
16	27.469	+12.7	4.0	NNW 1	FS.H. 3	27.455	+18.7	3.7	NNW 2	H.GH. 3
17	27.528	+12.4	4.4	WNW 2	FS. 2	27.478	+18.8	5.0	NO 1	H.GH. 3
18	27.459	+11.5	4.3	NW 0	F. 2	27.409	+20.0	4.7	SSO 1	F.GH. 2
19	27.395	+12.6	4.5	SO 2	0	27.388	+20.8	5.2	SSO 2	H.GH. 2
20	27.486	+13.2	5.1	SO 1	0	27.502	+20.8	4.6	SSO 2	GH. 2
21	27.606	+13.8	5.1	OSO 0	0	27.595	+22.1	5.5	N 1	GH. 3
22	27.614	+14.6	5.0	NW 2	FS.F. 2	27.616	+16.4	5.0	NNW 1	Rg. 3
23	27.683	+11.3	4.0	NW 1	S.FS. 4	27.645	+16.4	4.7	N 1	F.GH. 3
24	27.544	+11.0	4.2	NW 0	FS.N. 2	27.490	+19.8	4.4	NW 1	FS.H. 3
25	27.599	+11.2	4.0	NW 1	FS. 2	27.609	+19.5	4.8	WNW 1	FS. 3
26	27.431	+ 9.8	4.5	NW 0	F. 2	27.297	+16.1	4.6	NW 2	H.FS. 4
27	27.287	+10.8	3.6	WNW 3	H. 2	27.318	+12.2	3.0	WNW 3	FS. 3
28	27.585	+ 6.6	2.7	WNW 2	0	27.427	+13.0	3.0	S 1	FS.H. 2
29	27.429	+ 7.1	2.3	WNW 2	S.FS. 3	27.459	+10.1	2.3	WNW 4	H.GH. 2
30	27.510	+ 6.1	2.5	WNW 3	FS.F. 2	27.504	+12.0	2.6	WNW 3	H.GH 3
31	27.456	+ 7.2	3.0	NW 0	Rg. 4	27.475	+12.9	2.4	NNW 2	H.GH. 3
M	27.520	+9.98	3.83	1.1	2.1	27.493	+15.98	4.00	1.0	2.6

Mai 1860.

10 Uhr Abends										
Bar. 0°	Therm. Réaum.	Expans.	Wind		Wetter		Max.	Min.	Ombr.	Anmerkungen.
″	°	‴					°	°	‴	
27.681	+10.4	4.3	SO	0	Rg.	4	+14.4	+10.0	2.15	
27.411	+12.3	5.3	SO	0	S.H.	4	+14.7	+ 9.8	18.06	Rg.
27.441	+ 7.6	2.6	N	2	H.	3	+13.8	+ 4.2	5.01	2^h Ab. Gw. NW-SSO, Rg., Sch.
27.562	+ 6.7	2.0	NNW	1	F.	1	+ 9.6	+ 5.4	......	
27.453	+ 6.3	2.4	N	1	Rg.	4	+11.2	+ 3.8	1.07	Mrgs. $6\frac{3}{4}^h$ Rg.
27.597	+ 5.8	2.0	WNW	1	FS.	1	+ 8.4	+ 2.8	1.43	N.
27.517	+ 8.2	2.6	SSO	1		0	+12.6	+ 4.7	......	
27.436	+ 9.9	3.2	WNW	4	FS.F.	2	+17.0	+ 7.4	......	Wttl. NW, Nachts Rg.
27.603	+14.0	3.9	SSO	0	tr.	[illegible]	+18.0	+10.4	......	N.
27.689	+13.6	4.4	NNW	0	FS.F.	2	+18.6	+10.5	......	N.
27.600	+14.7	5.0	S	0		0	+20.4	+10.4	......	
27.429	+15.1	4.5	SSO	2		0	+22.1	+12.2	......	
27.421	+13.3	4.6	WNW	3	FS.H.	2	+20.5	+11.4	0.18	Wttl. WSW, Mgs. Gw. NW, Rg.
27.463	+13.6	4.1	NW	2	S.H.	4	+17.4	+12.2	......	
27.437	+14.5	4.5	N	1	Rg.	4	+16.9	+12.8	......	7^h Abds. Gew. SW, Rg., Rgbg.
27.525	+13.6	4.6	NW	2	FS.F.	3	+18.9	+12.0	......	
27.471	+14.2	4.3	NW	0	FS.	1	+19.3	+11.2	......	
27.389	+14.7	4.3	SO	1		0	+20.6	+12.0	......	
27.422	+15.6	5.3	S	0		0	+21.0	+12.4	......	11^h Nachts Wttl. W.
27.565	+16.5	5.3	S	0		0	+21.4	+13.2	......	Wttl. S.
27.592	+17.2	5.1	NW	1	FS.	1	+23.0	+14.0	......	
27.684	+12.2	4.0	NNW	1	S.H.	4	+18.8	+11.0	2.15	Rg.
27.606	+13.5	5.2	NW	0	F.	1	+17.1	+10.2	......	N.
27.556	+13.0	4.3	NW	2	S.	4	+20.4	+10.8	2.15	⊙ Hof, $5\frac{3}{4}^h$ Ab. Gew. WNW-O, W-N, Rg., Rgbg.
27.571	+12.3	4.4	NW	0	F.	2	+20.6	+ 9.4	......	Rg.
27.269	+10.6	4.3	NW	0	FS.F.	2	+19.7	+10.2	1.07	$2\frac{1}{2}^h$ Ab. Gew. S-NW, Rg., $7\frac{1}{2}^h$ Ab. Rgbg.
27.492	+ 7.1	2.7	WNW	3	FS.	3	+14.1	+ 6.2	......	Rg.
27.430	+ 7.3	2.8	SSW	1	S.H.	4	+13.4	+ 6.6	0.18	Rg.
27.512	+ 6.1	2.4	NW	3	S.	3	+11.2	+ 5.3	......	Rg., Sch., 5^h Abds. Rgbg.
27.522	+ 7.7	2.6	WNW	1	F.	1	+12.6	+ 6.7	0.36	
27.495	+ 8.7	2.7	NNW	2		0	+13.0	+ 5.5	......	Rg.
27.511	+11.49	3.86		1.1		2.1			33.81	

Juni 1860.

Datum	6 Uhr Morgens					2 Uhr Nachmittags				
	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter
	''	°	'''			''	°	'''		
1	27.408	+ 7.4	3.1	WNW 0	FS.H. 2	27.399	+15.1	4.2	SW 0	FS.H. 3
2	27.444	+11.2	4.1	SW 0	FS.H. 3	27.400	+19.9	5.4	S 1	FS. 4
3	27.411	+13.6	4.4	WNW 1	FS.H. 3	27.445	+18.0	5.1	NO 0	F.H. 3
4	27.448	+13.1	4.1	NW 2	FS.F. 2	27.532	+12.0	5.0	NW 0	Rg. 4
5	27.509	+13.0	4.3	WNW 1	FS.H. 2	27.500	+12.0	4.5	NNW 3	S.H. 4
6	27.680	+11.5	3.6	NW 1	F. 1	27.636	+17.4	3.9	S 1	H. 1
7	27.526	+11.7	4.2	S 0	F. 1	27.445	+19.0	5.2	S 1	S.FS. 4
8	27.531	+11.7	4.2	WNW 2	Rg. 4	27.577	+16.9	4.4	NW 2	FS.H. 3
9	27.601	+10.7	4.0	NW 0	N. 1	27.511	+19.7	5.0	SSO 1	FS.H. 2
10	27.403	+12.9	4.6	SO 2	N. 1	27.312	+20.7	4.7	S 3	H.GH. 2
11	27.445	+12.6	4.4	NW 1	Rg. 4	27.547	+16.6	4.7	NNW 1	GH. 4
12	27.598	+11.6	3.8	NW 0	0	27.549	+18.3	4.0	NNW 0	0
13	27.511	+12.0	4.6	SO 0	0	27.459	+21.0	4.9	SSO 2	GH. 1
14	27.366	+14.8	5.1	SO 3	0	27.282	+21.8	5.0	SSO 3	F.GH. 2
15	27.262	+15.1	5.0	NW 0	FS. 3	27.265	+14.2	4.9	WNW 2	GH. 4
16	27.330	+12.3	4.2	NW 2	FS. 4	27.286	+17.0	5.1	ONO 1	FS.GH. 3
17	27.320	+11.2	4.0	NW 3	Rg. 4	27.372	+14.2	3.9	WNW 3	FS. 3
18	27.381	+12.3	4.0	WNW 2	S.FS. 4	27.407	+15.8	4.1	WNW 2	FS.H. 3
19	27.531	+12.1	4.2	NW 2	0	27.502	+17.9	4.4	N 0	H.GH. 1
20	27.541	+12.4	5.0	O 0	FS. 2	27.483	+21.5	4.3	SSO 2	H. 1
21	27.558	+15.1	5.2	W 1	FS. 2	27.520	+21.7	5.4	O 0	GH. 2
22	27.506	+14.9	5.5	WNW 1	S.FS. 4	27.576	+14.5	5.9	NW 1	Rg. 4
23	27.643	+12.0	4.6	NW 2	Rg. 4	27.665	+13.5	5.1	N 1	S. 4
24	27.655	+11.2	4.5	NW 1	S. 4	27.648	+14.5	4.9	NNW 1	S.H. 4
25	27.603	+13.4	5.4	NW 0	Rg. 4	27.597	+18.4	6.0	NW 1	FS.H. 3
26	27.616	+15.2	5.5	WNW 0	F. 2	27.590	+22.8	5.8	NW 1	FS.GH. 2
27	27.587	+17.5	6.1	NW 0	FS. 3	27.602	+21.7	6.7	NW 1	F.GH. 3
28	27.568	+15.6	6.0	S 1	FS. 1	27.548	+19.7	6.6	NW 1	Rg. 4
29	27.528	+16.2	6.0	NW 0	Rg. 4	27.504	+18.0	5.7	NW 1	FS. 4
30	27.556	+11.2	4.1	NW 1	FS.F. 2	27.537	+14.3	4.3	NW 0	FS.S. 4
M	27.502	+12.85	4.59	1.0	2.4	27.490	+17.60	4.97	1.2	2.9

Juni 1860.

10 Uhr Abends								
Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Max.	Min.	Ombr.	Anmerkungen.
″	°	‴			°	°	‴	
27.444	+11.4	4.3	WNW 0	FS.F. 1	+16.2	+ 9.0	1.61	Rg., $7\frac{1}{4}^h$ Abds. Rgbg.
27.300	+13.7	4.1	SO 0	FS.N. 2	+20.3	+12.5	0.18	Mrgs. Rg.
27.327	+15.0	5.3	SSO 0	FS.F. 2	+18.8	+12.8	......	Rg.
27.540	+11.6	4.0	WNW 2	S.FS. 4	+13.6	+10.8	1.25	
27.631	+10.6	3.6	NW 2	0	+18.6	+ 9.4	4.65	1^h—2^h Nchm. Gew. NW-O u.N,Rg.,Hgl.
27.600	+13.0	4.4	SO 0	0	+18.8	+10.6	......	
27.498	+13.6	4.6	SW 0	FS. 1	+19.4	+11.0	......	Rg.
27.593	+13.8	4.0	WNW 0	0	+17.4	+ 9.5	......	
27.457	+14.2	4.4	SSO 1	0	+20.4	+12.5	......	
27.279	+16.4	5.2	SW 0	FS. 2	+21.4	+12.4	0.89	Wttl. W, Nachts Rg.
27.577	+12.4	4.3	NW 0	FS. 2	+16.8	+10.4	0.54	
27.522	+14.6	4.6	OSO 0	0	+19.6	+11.4	......	
27.415	+16.4	5.2	S 1	FS.F. 2	+21.7	+12.8	......	$9\frac{1}{2}^h$ Abds.gr.Feuerkgl.
27.274	+18.2	5.3	S 1	S.FS. 4	+22.5	+14.8	......	Wttl. S.
27.355	+12.6	4.2	WNW 2	S.FS. 4	+17.2	+11.9	0.72	Rg. Abdr.
27.252	+14.6	5.3	S 0	FS. 2	+17.7	+10.8	0.36	Abdr.
27.377	+12.4	4.2	NW 2	S. 4	+15.0	+11.8	......	Rg., Abdr.
27.495	+12.2	3.7	NW 2	FS.F. 2	+16.3	+11.6	......	Abdr.
27.508	+14.8	4.7	O 0	FS. 4	+18.7	+12.3	......	
27.477	+15.2	4.3	SO 2	FS. 2	+22.0	+14.5	......	
27.487	+17.3	5.8	SO 2	FS.F. 3	+23.0	+14.6	......	
27.623	+12.6	4.7	NW 2	S. 4	+16.8	+11.7	4.11	
27.680	+11.2	4.6	NNW 2	Rg. 4	+14.8	+10.8	1.43	
27.627	+14.0	4.7	WNW 2	S.FS. 4	+15.4	+11.7	1.25	
27.597	+15.5	5.6	NW 0	0	+20.6	+14.5	......	6^h Abds. Rg., Rgbg.
27.553	+18.6	5.7	WNW 0	F. 1	+23.7	+15.6	......	Mrgs. Rg.
27.598	+18.4	6.1	NW 0	FS.F. 1	+22.9	+15.0	......	$12\frac{1}{2}^h$ Mttgs.Rg.,Abdr.
27.536	+16.6	5.1	WNW 0	FS.F. 2	+21.8	+15.2	......	$12\frac{3}{4}^h$ Mttgs. Rg.
27.571	+11.5	4.6	NW 2	Rg. 4	+19.5	+10.4	0.89	
27.538	+11.4	3.9	NW 2	S.H. 4	+15.3	+10.2	0.18	Abdr., Nachts Rg.
27.497	+14.13	4.68	0.9	2.2			18.06	

Juli 1860.

Datum	6 Uhr Morgens					2 Uhr Nachmittags				
	Bar. 0°	Therm. Réaum.	Ex-pans.	Wind	Wetter	Bar. 0°	Therm. Réaum.	Ex-pans.	Wind	Wetter
	″	°	‴			″	°	‴		
1	27.587	+10.3	4.5	NW 2	S. 4	27.611	+15.3	3.5	WNW 1	F.GH. 3
2	27.709	+10.5	3.6	NW 2	FS.H. 3	27.723	+13.8	4.0	WNW 3	FS. 3
3	27.765	+10.7	4.0	WNW 2	S.FS. 4	27.732	+15.3	4.0	NW 1	H. 4
4	27.654	+12.1	4.1	WNW 1	S.FS. 4	27.552	+16.5	4.4	WNW 2	FS.H. 3
5	27.468	+ 9.1	3.2	NNW 2	FS. 3	27.548	+13.7	2.8	NNW 3	H. 2
6	27.502	+ 9.5	3.0	WNW 3	S. 4	27.417	+13.7	3.9	NW 4	S.H. 3
7	27.591	+ 8.8	3.0	WNW 3	FS.H. 2	27.627	+13.7	3.2	NW 3	GH. 4
8	27.656	+10.4	3.1	NW 1	S.FS. 4	27.631	+14.3	3.4	N 1	FS.H. 3
9	27.685	+ 8.7	3.2	NNW 0	F. 1	27.609	+17.0	4.3	SO 1	FS.H. 2
10	27.498	+12.2	3.8	SW 0	FS.N. 2	27.449	+16.8	6.1	O 1	FS. 4
11	27.420	+12.3	4.4	NW 1	S.H. 4	27.415	+13.9	4.8	NW 2	S.H. 4
12	27.364	+11.2	4.1	NW 2	S.H. 4	27.344	+15.2	4.5	NW 3	FS.H. 3
13	27.307	+12.2	4.1	NW 3	FS.H. 3	27.330	+17.1	4.5	WNW 1	FS.H. 3
14	27.419	+13.1	4.3	NW 1	FS. 2	27.457	+19.2	4.8	WNW 1	H.GH. 3
15	27.624	+14.5	4.6	NW 2	F. 1	27.620	+20.4	5.0	NNW 1	H. 2
16	27.614	+14.1	5.0	NW 0	N. 1	27.544	+22.5	6.0	NW 1	H.GH. 2
17	27.506	+15.0	5.6	O 1	N. 1	27.464	+23.8	7.0	SO 0	H.GH. 3
18	27.494	+15.2	7.0	SW 0	N. 1	27.438	+23.1	6.2	SO 1	H.S. 2
19	27.433	+16.2	6.1	NW 1	FS.H. 2	27.448	+16.0	6.5	SO 1	Rg. 4
20	27.465	+14.4	5.5	WNW 1	Rg. 4	27.431	+20.0	7.1	N 0	FS.H. 3
21	27.594	+10.8	4.0	NW 2	Rg. 4	27.586	+18.3	4.6	NW 1	H.GH. 3
22	27.572	+13.6	5.1	S 0	FS. 2	27.503	+19.4	5.5	SO 1	H. 3
23	27.504	+13.6	4.5	WNW 1	FS.F. 2	27.559	+16.4	5.0	WNW 1	FS. 4
24	27.524	+11.8	4.0	NW 1	FS.H. 3	27.482	+17.4	4.7	NW 0	FS.H. 3
25	27.361	+11.5	4.6	ONO 0	FS.N. 2	27.360	+14.4	4.6	WNW 2	FS. 4
26	27.420	+11.3	4.2	NW 1	S. 4	27.415	+15.1	4.6	NW 1	FS. 4
27	27.434	+10.8	3.9	NW 0	FS.F. 2	27.407	+18.4	4.5	N 0	FS. 3
28	27.461	+10.3	4.1	NW 1	FS. 1	27.410	+17.0	4.1	N 1	H.GH. 2
29	27.328	+11.6	4.8	S 0	FS. 2	27.344	+14.3	4.4	WNW 1	Rg. 4
30	27.343	+11.8	4.0	NW 0	S.FS. 4	27.330	+16.3	4.3	WNW 2	S.FS. 4
31	27.308	+11.4	4.0	WNW 3	FS.H. 3	27.336	+14.9	4.3	WNW 3	S.H. 4
M	27.504	+11.90	4.30	1.2	2.7	27.488	+16.88	4.73	1.4	3.2

Juli 1860.

10 Uhr Abends								
Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Max.	Min.	Ombr.	Anmerkungen.
27.699'''	+11.3°	3.7'''	NW 2	H.GH. 2	+15.6°	+ 9.8°	......	Rg.
27.736	+11.0	4.0	NW 2	FS.F. 1	+14.1	+10.3	0.'''54	Rg., $5\frac{1}{4}^h$ Mgs. Rgbg.
27.722	+12.2	4.0	NW 0	FS.F. 3	+16.0	+11.6	0.89	Rg.
27.452	+14.2	4.1	NW 3	S. 4	+17.4	+ 8.8	1.25	Nachts Rg.
27.581	+10.2	3.1	NW 2	FS.F. 2	+14.2	+ 9.0	......	$6\frac{1}{2}^h$ Mgs. Rgbg.
27.603	+11.4	3.8	NW 2	S.H. 4	+13.9	+ 8.2	0.72	Rg.
27.664	+10.5	3.2	NW 1	FS. 1	+14.0	+ 9.3	......	Rg., 5^h Mgs. Rgbg.
27.690	+11.1	3.3	N 0	FS.F. 3	+14.7	+ 8.1	......	Abdr.
27.528	+13.0	4.1	SO 1	0	+17.8	+10.6	......	
27.453	+12.2	4.7	NW 1	S. 4	+17.8	+11.3	0.72	Rg.
27.395	+10.7	4.3	NW 2	Rg. 4	+14.1	+10.3	0.18	
27.329	+12.3	4.0	NW 4	FS. 1	+15.6	+11.3	......	
27.366	+14.0	4.2	NW 2	FS.F. 4	+18.0	+12.5	......	Rg., 7^h Vrmtt. Rgbg. Abdr.
27.551	+15.8	4.5	NW 2	F. 1	+19.7	+13.5	......	
27.630	+16.4	4.8	NW 0	0	+21.3	+12.9	......	
27.504	+18.6	6.0	N 0	F. 1	+23.5	+14.6	......	Abdr.
27.488	+18.6	6.6	SW 0	FS.F. 2	+24.6	+14.8	......	Rg.
27.420	+19.2	6.7	SO 0	FS.N. 1	+24.3	+14.8	......	Wttl. S.
27.459	+16.4	5.6	WNW 2	S. 4	+20.5	+14.2	2.15	$10\frac{3}{4}^h$ — $12\frac{1}{2}^h$ Mttgs. Gw. S-N, Gussrg.
27.522	+10.8	4.6	NW 3	Rg. 4	+20.6	+10.3	1.25	
27.587	+14.2	4.8	S 0	FS.F. 2	+18.7	+11.3	......	
27.478	+15.2	5.4	S 0	0	+19.8	+12.8	......	
27.544	+12.6	4.4	WNW 2	S. 4	+17.5	+11.4	0.18	Rg.
27.424	+13.8	5.0	ONO 0	F. 1	+18.6	+10.9	......	N.
27.387	+12.0	4.0	NW 3	S. 4	+16.2	+11.1	......	Rg.
27.438	+11.8	4.0	NW 0	FS.F. 2	+16.3	+10.4	......	Rg.
27.480	+11.3	4.2	WNW 2	FS.H. 3	+18.8	+ 9.8	0.89	Rg.
27.397	+13.7	4.8	NNW 0	FS. 2	+17.7	+10.4	.....	
27.343	+12.4	4.2	WNW 1	S.FS. 4	+16.2	+11.5	0.36	Rg. Abdr.
27.356	+12.6	4.0	WNW 3	FS.H. 3	+17.0	+11.2	......	Abdr.
27.359	+10.2	3.8	NW 4	Rg. 4	+15.1	+ 9.2	6.80	Rg.
27.503	+13.22	4.45	1.4	2.4			15.93	

August 1860.

Datum	6 Uhr Morgens					2 Uhr Nachmittags				
	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter
	″	°	‴			″	°	‴		
1	27.400	+ 9.3	4.0	NW 4	Rg. 4	27.506	+13.3	4.3	WNW 3	S.H. 4
2	27.581	+10.8	4.1	WNW 1	FS.F. 2	27.549	+18.0	4.4	WNW 2	GH. 2
3	27.496	+11.2	4.2	WNW 1	FS. 2	27.434	+16.5	4.4	WNW 1	FS.H. 3
4	27.341	+11.8	4.4	SW 1	FS.F. 2	27.257	+18.5	4.7	S 1	H. 3
5	27.308	+12.4	4.8	WNW 2	FS. 2	27.407	+17.4	4.6	WNW 2	GH. 2
6	27.486	+12.6	5.0	SSO 1	FS. 2	27.411	+20.8	5.7	S 2	FS.H. 3
7	27.389	+13.4	5.1	NW 2	0	27.449	+19.4	5.5	N 1	FS.H. 3
8	27.592	+10.1	3.7	WNW 2	S.H. 4	27.607	+14.6	4.6	NW 1	FS.H. 3
9	27.628	+ 9.2	4.0	WNW 0	N. 1	27.530	+17.9	4.2	SSO 1	F. 1
10	27.504	+12.2	4.6	W 0	FS.F.N. 2	27.532	+19.0	5.5	N 1	F.GH. 2
11	27.520	+12.6	4.7	NW 0	FS.H. 3	27.502	+12.2	5.0	NW 1	Rg. 4
12	27.480	+ 9.4	4.5	WNW 0	F.N. 2	27.394	+19.0	6.2	S 1	F.FS. 3
13	27.460	+12.2	4.5	WNW 1	S. 4	27.494	+18.1	4.9	WNW 2	FS.H. 2
14	27.510	+10.3	4.6	SW 0	F.N. 1	27.427	+18.6	5.5	S 3	H.GH. 2
15	27.524	+12.3	4.5	WNW 1	FS.F. 3	27.529	+19.2	5.1	SSO 0	GH. 1
16	27.490	+12.8	5.3	SO 0	0	27.397	+21.0	6.7	SO 2	H.GH. 3
17	27.305	+15.1	6.4	NO 0	FS.F.N. 3	27.299	+23.8	7.2	SSW 3	FS. 3
18	27.557	+13.0	4.4	NW 2	FS. 2	27.601	+18.4	5.4	N 1	FS.H. 1
19	27.639	+14.2	4.6	NW 0	FS.H. 3	27.636	+18.9	4.8	NNW 1	H.GH. 1
20	27.699	+13.6	4.5	WNW 0	FS. 2	27.643	+19.0	5.6	SO 0	F.FS. 2
21	27.486	+12.7	5.4	S 0	FS.N. 3	27.418	+20.2	6.2	SSW 2	FS. 4
22	27.531	+12.5	4.0	WNW 2	S.FS. 4	27.516	+17.0	4.8	NW 0	FS.H. 3
23	27.485	+12.8	4.3	WNW 0	FS.N. 3	27.536	+19.0	4.7	NW 2	FS.H. 3
24	27.653	+11.8	4.2	WNW 0	FS. 1	27.587	+18.7	5.9	S 0	FS. 3
25	27.598	+12.6	4.2	WNW 1	FS.N. 2	27.589	+19.5	3.7	WNW 3	F.FS. 2
26	27.626	+10.5	4.5	WNW 0	F.N. 1	27.572	+22.6	5.2	SSO 1	H. 1
27	27.563	+13.5	5.8	W 0	N. 0	27.511	+26.5	4.5	SSW 3	0
28	27.418	+14.3	5.4	S 0	0	27.514	+20.6	5.4	NNW 2	FS.H. 2
29	27.514	+12.5	4.6	WNW 1	FS. 3	27.441	+16.7	5.6	NW 1	S. 4
30	27.462	+12.1	5.0	NW 0	FS.N. 2	27.433	+21.0	5.6	NW 1	FS.H. 2
31	27.451	+12.3	5.2	NW 0	N. 2	27.373	+23.6	5.6	SW 3	FS. 2
M	27.506	+12.13	4.65	0.7	2.1	27.487	+19.00	5.21	1.5	2.1

August 1860.

10 Uhr Abends								
Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Max.	Min.	Ombr.	Anmerkungen.
‴	°	‴			°	°	‴	
27.587	+12.3	4.1	WNW 0	S.H. 4	+14.8	+10.3	1.61	Abdr.
27.530	+12.4	4.2	NNW 1	F.N. 1	+18.4	+ 9.9	......	
27.364	+12.6	4.6	S 0	FS.F. 2	+17.8	+11.2	......	
27.276	+12.8	4.7	NW 0	FS.H. 4	+19.0	+12.2	1.07	Abds.Rg.,Rgbg.Abdr.
27.471	+15.0	5.2	WNW 0	FS.H. 4	+18.3	+12.7	......	Rg.
27.369	+17.0	5.6	S 2	0	+21.8	+13.2	......	
27.545	+12.4	4.3	NW 2	S.GH. 4	+19.7	+ 9.2	8.94	4¼h Nchmttgs. Rg.
27.630	+11.6	3.8	NW 1	0	+16.3	+ 8.0	......	Abdr.
27.477	+13.5	4.5	S 2	FS. 1	+18.5	+10.1	......	
27.505	+15.6	5.6	NO 0	FS. 2	+20.0	+12.4	......	
27.497	+12.2	4.6	NW 0	FS.F. 2	+14.3	+ 9.2	1.43	N., Rg., Abdr.
27.417	+13.2	4.4	NW 3	S.GH. 4	+19.5	+11.0	0.72	Wttl. W, Rg.
27.517	+13.3	4.6	WSW 0	N. 1	+18.8	+ 9.8	......	
27.428	+13.6	4.5	W 4	S.GH. 4	+19.4	+11.5	......	Wttl. N-O, Gw., Rg.
27.511	+14.7	5.2	SO 2	FS. 1	+20.0	+12.5	......	Abdr.
27.334	+17.6	6.5	SO 1	F. 1	+22.0	+14.5	......	N.
27.329	+18.1	7.5	NW 2	FS.H. 2	+24.5	+12.4	......	Wttl. NNW, Rg.
27.638	+16.0	4.7	NW 1	S. 4	+19.5	+14.6	......	Abdr.
27.690	+15.3	4.6	WNW 1	FS. 2	+19.4	+12.4	......	
27.581	+15.4	5.4	S 0	0	+20.3	+12.0	......	
27.469	+13.2	4.6	NW 2	Rg. 4	+20.4	+11.8	......	
27.465	+13.4	4.4	SSO 0	S.FS. 3	+17.8	+12.6	......	Mrgth., Mgs. Rg., N.
27.629	+14.5	4.8	WNW 1	S. 4	+19.4	+11.4	......	Rg., Abdr.
27.626	+14.3	4.2	NW 1	S. 4	+19.2	+12.1	......	
27.597	+15.1	5.3	WNW 0	S. 1	+20.2	+ 9.8	......	
27.590	+15.0	5.4	W 0	0	+24.2	+13.0	......	
27.489	+18.4	5.7	SSO 1	0	+27.1	+14.0	......	
27.573	+15.8	5.2	NW 0	FS.H. 3	+20.8	+12.1	......	4¼h Abds. Rg., Abdr.
27.461	+13.7	5.0	NW 1	FS.H. 2	+18.3	+11.5	......	Rg., Abdr.
27.428	+15.8	6.0	WSW 0	N. 1	+22.3	+12.1	......	
27.357	+18.4	6.3	SW 0	0	+24.0	+12.5	......	
27.496	+14.59	5.02	0.9	2.1			13.77	

September 1860.

Datum	6 Uhr Morgens							2 Uhr Nachmittags						
	Bar. 0°	Therm. Réaum.	Expans.	Wind		Wetter		Bar. 0°	Therm. Réaum.	Expans.	Wind		Wetter	
	″	°	‴					″	°	‴				
1	27.470	+16.5	5.3	NW	2	FS.	1	27.430	+23.8	6.0	OSO	2		0
2	27.401	+16.3	6.2	SW	1	FS.	2	27.343	+25.4	6.5	SSW	2	H GH.	3
3	27.647	+14.2	4.4	NW	1	FS.	4	27.674	+16.6	4.5	NNW	0	FS.	4
4	27.600	+12.6	4.1	N	1	S.FS.	4	27.555	+13.5	4.6	NNW	1	S.FS.	4
5	27.640	+10.5	3.8	NW	2	FS.	2	27.617	+15.6	4.0	N	1	S.FS.	4
6	27.668	+10.6	4.2	NNW	1	FS.S.	4	27.704	+14.2	4.1	N	1	F.FS.	4
7	27.704	+10.4	4.0	NNW	1	FS.	3	27.645	+13.8	4.6	ONO	0	Rg.	4
8	27.398	+11.2	5.0	NNW	1	Gw.Rg.	4	27.338	+15.5	5.3	N	0	H.GH.	3
9	27.324	+10.8	4.1	NW	1	FS.H.	2	27.389	+14.2	4.3	NW	1	H.	3
10	27.600	+ 7.7	3.0	NW	1	FS.	2	27.611	+13.1	3.9	ONO	0	FS.	3
11	27.509	+ 9.0	3.7	SO	0	FS.F.	2	27.483	+13.0	4.4	N	1	FS.S.	4
12	27.800	+ 8.0	3.2	NW	1	FS.	2	27.888	+11.5	3.0	N	1	H.	3
13	27.860	+ 5.0	2.7	O	0	N.	1	27.752	+12.4	2.6	S	2	H.	1
14	27.682	+ 5.3	2.8	S	0	N.	1	27.635	+15.8	4.7	SO	0	H.	1
15	27.594	+ 8.3	3.6	S	0	F.N.	1	27.532	+16.4	4.1	SO	3	F.FS.	2
16	27.369	+14.0	4.4	WNW	1	Rg.	4	27.444	+15.7	5.2	WNW	1	FS.	4
17	27.643	+11.8	4.0	WNW	0	FS.	2	27.625	+16.4	4.6	WNW	1	F.FS.	3
18	27.509	+11.0	4.6	SSO	0	N.	3	27.370	+17.9	5.3	S	4	FS.F.	3
19	27.336	+13.5	5.3	W	0	FS.N.	3	27.259	+16.8	5.4	SO	1	FS.H.	3
20	27.321	+11.3	4.2	WNW	0	FS.	2	27.340	+16.4	5.0	N	0	FH.	3
21	27.390	+12.0	4.0	NNW	2	tr.	4	27.512	+14.2	4.4	N	2	S.FS.	4
22	27.706	+11.4	4.0	NW	1	FS.	2	27.729	+15.0	4.7	NW	0	FS.H.	3
23	27.659	+ 9.0	4.0	SSO	0	N.	2	27.605	+17.0	4.4	SSO	2		0
24	27.514	+10.2	4.0	SO	3		0	27.514	+16.2	4.4	SSO	4		0
25	27.500	+11.3	4.3	S	2		0	27.542	+19.0	5.4	SO	2		0
26	27.524	+11.5	4.5	S	1	N.	0	27.445	+19.8	4.0	S	3	F.	1
27	27.557	+ 9.7	3.6	W	2	Rg.	4	27.593	+13.5	4.1	NNW	1	FS.	3
28	27.502	+ 7.3	3.5	NNW	0	N.	3	27.473	+11.0	4.6	S	0	HN.	4
29	27.516	+ 8.3	3.8	WNW	0	FS.N.	2	27.591	+13.5	4.7	NNW	0	FS.N.	4
30	27.768	+ 9.5	4.0	NW	0	FS.N.	3	27.755	+12.6	4.5	NO	1	F.	2
M	27.557	+10.61	4.08		0.8		2.3	27.546	+15.66	4.58		1.2		2.7

September 1860.

10 Uhr Abends								
Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Max.	Min.	Ombr.	Anmerkungen.
27.384''	+20.4°	6.3'''	SW 3	FS. 3	+25.2°	+15.8°	......	
27.529	+16.8	5.5	WNW 3	FS. 1	+26.2	+13.9	......	
27.640	+14.4	4.4	N 1	FS. 2	+17.1	+12.0	......	
27.609	+11.3	4.0	NNW 0	FS.H. 3	+14.0	+10.2	......	Mgs. Gew. W., Rg.
27.618	+12.9	4.4	WNW 1	S. 4	+16.7	+10.6	......	Rg.
27.726	+12.1	4.0	N 2	FS. 3	+14.7	+10.2	......	$4\frac{1}{4}^h$ Mgs. ☾ Hof.
27.571	+11.1	4.6	NNW 2	Rg. 4	+14.7	+10.8	1.'''61	Rg., $5\frac{1}{2}^h$ Mgs. Gw. N.
27.350	+11.4	4.1	NW 2	FS. 3	+16.6	+10.5	0.36	Rg., 3^h Nchm. Gw. S u. NO.
27.530	+ 9.8	3.2	NW 2	FS. 3	+15.0	+ 7.6	......	Rg.
27.581	+ 9.7	2.8	SO 1	FS. 1	+13.7	+ 8.0	......	
27.672	+ 7.6	3.3	NNW 2	S.H. 4	+13.7	+ 7.6	0.36	Abds. Rg.
27.922	+ 8.0	3.2	N 0	N. 0	+12.0	+ 4.2	......	
27.716	+ 8.8	3.1	S 1	0	+12.8	+ 5.1	......	
27.593	+10.9	2.1	S 0	0	+16.4	+ 5.5	......	
27.400	+13.4	4.2	SO 3	tr. 4	+17.0	+ 8.0	0.36	Mrgs. Rg.
27.574	+12.1	4.4	WNW 1	FS. 2	+16.5	+11.1	......	Rg., 6^h Abds. Rgbg.
27.581	+12.0	4.6	SO 0	F.N. 1	+17.0	+ 9.8	......	
27.259	+15.1	5.0	S 3	tr. 4	+18.0	+11.1	......	Abdr.
27.306	+12.4	4.4	NW 2	tr. 4	+17.1	+11.0	......	Wttl. NO
27.368	+13.1	4.5	NNW 1	tr. 4	+16.6	+11.4	......	
27.636	+11.8	3.8	NNW 2	FS.F. 3	+15.0	+10.7	......	
27.702	+11.0	4.1	NW 0	0	+15.4	+ 7.8	......	
27.590	+12.2	4.3	SO 3	0	+17.5	+ 9.4	......	
27.530	+12.8	4.5	S 3	0	+16.4	+11.0	......	
27.588	+13.0	5.0	SSO 1	0	+19.2	+11.2	......	
27.445	+15.4	4.4	S 2	FS.H. 3	+20.2	+ 9.6	3.58	Nachts Rg.
27.576	+ 9.2	3.9	W 0	0	+13.8	+ 6.7	......	
27.459	+10.1	4.2	S 0	FS.H. 3	+12.2	+ 7.5	......	
27.711	+10.8	4.2	NW 1	0	+13.7	+ 8.8	......	Abdr.
27.761	+11.6	4.6	NNO 0	tr. 4	+13.0	+ 9.6	.....	
27.564	+12.04	4.17	1.4	2.1			6.27	

October 1860.

Datum	6 Uhr Morgens							2 Uhr Nachmittags						
	Bar. 0°	Therm. Réaum.	Expans.	Wind		Wetter		Bar. 0°	Therm. Réaum.	Expans.	Wind		Wetter	
	″	°	‴					″	°	‴				
1	27.751	+10.5	4.3	NO	0	tr.	4	27.722	+14.4	5.0	NO	0	FS.F.	3
2	27.531	+10.1	4.2	NO	0	Rg.	4	27.572	+11.4	4.6	NNW	1	S.HN.	4
3	27.815	+ 8.6	3.3	NW	1	FS.	2	27.788	+13.3	4.0	NW	1	H.	3
4	27.655	+ 8.4	3.6	NW	2	S.FS.	4	27.710	+10.0	3.7	NNW	1	H.	3
5	27.903	+ 6.3	2.7	WNW	0		0	27.804	+11.6	2.7	NW	1	F.H.	4
6	27.699	+ 6.9	3.0	WNW	3	FS.H.	3	27.806	+12.3	3.7	NW	3	H.	4
7	27.945	+ 8.5	3.0	N	0	FS.H.	4	27.876	+12.2	3.5	SO	1		0
8	27.727	+ 6.8	3.3	SW	0	F.N.	2	27.620	+15.0	4.6	W	1	FS.H.	3
9	27.593	+ 7.2	3.3	WNW	1	Rg.	4	27.458	+ 8.2	3.3	W	0	Rg.	4
10	27.356	+ 4.3	2.2	NNW	2	FS.S.	4	27.438	+ 6.1	2.2	NW	3	H.GH.	3
11	27.450	+ 3.0	2.1	SW	1	F.N.	2	27.274	+10.3	2.2	SSO	1	FS.	4
12	27.178	+ 5.8	2.8	W	0	FS.N.	2	27.128	+12.8	3.7	S	3	FS.	4
13	27.510	+ 3.3	2.2	NW	2	FS.	2	27.566	+ 6.5	2.2	NW	1	H.	3
14	27.526	+ 1.4	2.0	WNW	0	FS.N.	2	27.430	+ 8.5	3.0	SSO	1	FS.	3
15	27.498	+ 6.5	2.8	NW	0	FS.N.	2	27.574	+ 9.7	2.8	NW	3	FS.H.	3
16	27.696	+ 3.8	2.7	WNW	1	N.	2	27.666	+10.8	3.3	SSO	0		0
17	27.680	+ 4.6	2.8	SO	1	N.	3	27.692	+10.4	3.5	SO	0	F.FS.N.	2
18	27.776	+ 7.8	3.3	WNW	0	FS.N.	2	27.723	+12.1	3.8	NO	0	FS.F.	3
19	27.602	+ 5.0	3.0	W	0	N.	4	27.633	+11.3	3.7	NW	1	S.FS.	4
20	27.614	+ 8.5	3.7	SW	0	FS.N.	2	27.599	+14.0	4.8	SW	0	FS.	4
21	27.825	+ 8.1	3.4	WNW	0	FS.N.	2	27.807	+12.3	4.0	SSW	1	FS.H.	3
22	27.819	+ 4.2	2.6	NW	0	FS.	2	27.822	+ 9.5	3.0	NO	0	FS.	1
23	27.865	+ 1.9	2.4	NO	0	N.	3	27.883	+ 9.6	3.4	SSO	1		0
24	27.872	+ 5.1	3.0	SO	0	N.	4	27.876	+ 7.4	3.3	SO	0	N.	4
25	27.886	+ 6.3	3.1	N	0	N.FS.	4	27.886	+ 9.6	3.4	O	0	HN.	4
26	27.887	+ 5.0	2.9	SO	0	F.N.	1	27.849	+ 8.6	3.1	SO	1	FS.	3
27	27.852	+ 4.0	2.8	SSO	0	N.	3	27.861	+ 5.9	2.8	NW	0	HN.	4
28	27.841	+ 5.1	2.9	SW	0	HN.	3	27.844	+ 6.3	2.8	SW	0	HN.	4
29	27.846	+ 4.6	2.6	SSO	0	N.Nrg.	4	27.856	+ 5.6	2.9	SO	0	HN.	4
30	27.926	+ 1.1	1.8	WNW	0	FS.N.	2	27.972	+ 3.5	2.2	NO	0	HN.	4
31	27.954	− 0.7	1.6	NO	0	N.	1	27.893	+ 4.2	2.0	NO	1		0
M	27.712	+5.55	2.88		0.5		2.7	27.698	+9.79	3.33		0.8		2.9

October 1860.

10 Uhr Abends										Anmerkungen.
Bar. 0°	Therm. Réaum.	Expans.	Wind		Wetter		Max.	Min.	Ombr.	
'''	°	'''					°	°	'''	
27.638	+12.1	4.6	OSO	0	tr.	4	+15.0	+9.8	1.43	Mttg. ⊙Hof, 7h Abds.
27.724	+9.0	3.8	NW	2	tr.	4	+12.1	+7.1	......	N. Rg.
27.745	+8.8	3.6	W	0	FS.	2	+13.8	+8.0	......	Rg.
27.869	+7.4	2.6	NW	0		0	+12.0	+6.1	......	Rg.
27.701	+6.8	3.0	WSW	0	F.	1	+12.1	+6.2	......	
27.902	+9.1	3.6	NW	0	S.FS.	4	+12.8	+8.2	......	
27.780	+8.0	3.4	SO	0	F.HN.	2	+12.6	+6.2	......	Mrgr.
27.605	+11.2	3.6	NW	2	S.HN.	4	+15.2	+7.1	0.72	Mrgs. Rg., Abdr.
27.300	+5.3	2.9	WNW	0	S.HN.	4	+8.3	+4.0	1.07	N., Abdr.
27.539	+3.7	2.2	NW	3		0	+6.7	+2.6	0.36	Rg.
27.235	+7.2	2.8	W	0	S.HN.	4	+10.5	+3.6	......	
27.351	+5.2	3.0	NW	2	Rg.	4	+13.5	+3.1	1.61	
27.591	+3.4	2.1	NNW	0	N.	0	+7.0	+1.0	......	Reif.
27.429	+6.4	2.9	WNW	0	tr.	4	+9.0	+2.0	......	Rg., Reif.
27.662	+6.4	2.7	W	1	F.N.	1	+10.2	+3.0	......	Reif.
27.671	+5.7	3.0	SO	0	N.	1	+11.0	+3.8	......	
27.726	+7.4	3.4	SSO	0	FS.N.	3	+11.2	+4.8	......	Nachts Rg.
27.625	+7.3	3.4	SSW	0	N.	1	+12.4	+4.5	......	Rg., Abdr.
27.627	+8.8	3.5	WSW	0	N.	2	+11.7	+5.4	0.18	Nrg.
27.773	+11.0	3.2	NNW	1	HN.	4	+14.4	+6.6	......	Rg.
27.831	+8.3	3.3	NW	1	FS.F.	2	+12.5	+4.0	......	
27.833	+4.8	2.6	NO	0	N.	2	+10.0	+1.8	......	Reif.
27.868	+4.7	2.8	SO	0	N.	0	+9.9	+2.8	......	
27.891	+6.1	3.0	N	0	H.N.	4	+8.8	+5.4	......	
27.907	+4.3	2.8	OSO	0	H.N.	3	+9.8	+3.7	......	
27.866	+4.2	2.7	SSO	0	N.	1	+8.8	+3.2	......	
27.856	+5.6	2.8	NW	0	HN.	4	+7.0	+4.2	......	
27.848	+4.7	2.7	SW	0	HN.	4	+7.7	+4.3	......	Nrg.
27.902	+2.8	2.4	W	0	H.N.	4	+6.0	+0.8	......	Reif.
27.996	+2.7	2.3	NO	0	S.H.	4	+4.2	−0.8	......	Reif.
27.881	−0.2	1.6	N	0	F.N.	1	+4.4	−0.5	......	
27.715	+6.39	2.98		0.4		2.5			5.37	

November 1860.

Datum	6 Uhr Morgens					2 Uhr Nachmittags				
	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter
	″	°	‴			″	°	‴		
1	27.843	+0.5	1.6	N 0	FS. 3	27.836	+ 4.5	2.3	O 0	H. 3
2	27.770	−2.2	1.4	NNW 0	0	27.735	+ 1.0	1.8	NNO 1	F.N. 1
3	27.760	−0.6	1.7	NW 0	tr. 4	27.737	+ 1.1	1.7	NNW 0	tr. 4
4	27.741	−1.0	1.8	NNW 0	N. 4	27.713	+ 2.2	1.6	NW 0	FS.N. 2
5	27.727	+2.0	1.8	NW 0	N. 4	27.728	+ 2.5	1.9	NO 0	tr. 4
6	27.767	+0.5	1.5	N 1	FS.N. 2	27.723	+ 1.8	1.3	N 1	S.H. 3
7	27.711	−1.6	1.5	N 0	FS.H. 3	27.594	− 0.2	1.7	N 2	H.FS. 3
8	27.524	−2.3	1.6	NNW 3	Sch. 4	27.547	− 1.5	1.8	NW 3	Sch. 4
9	27.553	−1.6	1.7	NW 3	Sch. 4	27.569	− 0.8	1.8	NW 3	Sch. 4
10	27.663	−0.2	1.7	NW 1	tr. 4	27.692	+ 1.4	1.8	NNW 1	HN. 4
11	27.704	−0.8	1.6	NNW 0	tr. 4	27.687	+ 0.4	1.9	NNO 0	HN. 4
12	27.641	+0.5	1.8	SO 2	FS.N. 4	27.615	+ 1.7	1.8	SSO 3	tr. 4
13	27.591	+0.3	1.6	SO 3	tr. 4	27.541	+ 1.3	2.0	SO 2	HN. 4
14	27.512	+0.2	1.8	SSO 2	N. 4	27.492	+ 1.6	2.2	SO 2	N. 4
15	27.493	+1.4	2.2	SO 0	Nrg. 4	27.452	+ 3.0	2.6	SO 1	Nrg. 4
16	27.366	+3.1	2.3	SO 0	N. 4	27.431	+ 4.0	2.8	SSO 0	N. 4
17	27.471	+3.3	2.5	SO 2	N. 4	27.301	+ 5.2	2.9	S 2	HN. 4
18	26.954	+8.4	2.9	WNW 2	FS.H. 3	27.175	+ 3.4	2.4	NW 2	Rg. 4
19	27.332	+2.6	2.0	NNW 2	FS.H. 2	27.427	+ 3.6	1.6	NNW 2	H.FS. 3
20	27.553	+0.4	1.9	NNW 2	FS.H. 3	27.590	+ 1.7	1.6	NNW 1	Sch. 4
21	27.664	−0.2	1.6	NW 1	FS. 2	27.676	+ 1.6	1.6	NNW 1	FS.H. 3
22	27.627	−2.8	1.6	NW 0	N. 2	27.525	+ 0.3	1.8	S 0	F.FS. 2
23	27.471	−1.4	1.7	S 2	N. 4	27.386	+ 1.3	1.7	SSW 0	N. 4
24	27.326	+4.4	2.5	SSO 2	FS. 2	27.278	+ 5.5	2.8	SO 2	FS. 3
25	27.263	+3.2	1.7	S 1	FS.N. 2	27.195	+10.2	3.2	SO 2	F.FS. 2
26	27.267	+2.6	2.2	WNW 0	FN. 2	27.327	+ 3.9	2.5	N 0	F.FS.N. 3
27	27.193	+2.0	2.2	W 0	FS.N. 4	27.107	+10.4	3.5	SSO 2	F.FS. 3
28	27.155	+4.0	2.5	WNW 3	F.FS. 2	27.420	+ 9.5	2.9	WNW 1	S.FS. 4
29	27.745	+3.4	2.5	W 0	FN. 2	27.755	+ 8.1	3.2	SSO 1	F.FS. 3
30	27.618	+5.5	3.1	SO 0	tr. 4	27.545	+ 2.6	3.5	SO 0	tr. 4
M	27.534	+1.12	1.95	1.1	3.1	27.527	+3.21	2.21	1.1	3.4

November 1860.

10 Uhr Abends								
Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Max.	Min.	Ombr.	Anmerkungen.
'''	°	'''			°	°		
27.817	−0.4	1.5	NNO 0	0	+ 4.8	− 2.4	......	N.
27.773	−1.4	1.6	N 0	tr. 4	+ 1.4	− 1.6	......	
27.761	−0.3	1.7	NNW 0	S.F.N. 4	+ 1.2	− 1.3	......	Schnee.
27.709	+2.1	1.6	NW 0	S.N. 4	+ 2.4	− 0.4	......	
27.756	+1.0	1.5	N 1	S.N. 4	+ 2.7	+ 0.2	0.'''18	Schnee, Rg.
27.732	−0.5	1.5	N 0	FS.HN. 3	+ 2.1	− 1.7	0.19*	Schnee.
27.556	−2.2	1.5	NNW 2	Sch. 4	− 0.1	− 2.6	.....	
27.605	−2.0	1.6	NW 2	S. 4	− 0.4	− 2.4	2.38*	Schneewehen.
27.648	−1.4	1.7	NNW 3	S. 4	+ 0.2	− 1.5	1.50*	Schneewehen.
27.727	+0.3	1.8	NNW 0	tr. 4	+ 1.6	− 1.4	......	N.
27.661	−0.2	1.8	SO 2	HN. 4	+ 1.0	− 0.4	......	N.
27.632	+0.4	1.6	S 4	HN. 4	+ 1.8	+ 0.2	......	Nachts Str. SO.
27.535	+0.4	1.7	S 2	HN. 4	+ 1.7	+ 0.2	......	N.
27.504	+1.4	2.1	SO 0	Nrg. 4	+ 1.8	+ 0.5	0.19*	
27.404	+2.7	2.4	SO 1	Nrg. 4	+ 3.4	+ 1.6	0.44*	N.
27.522	+4.3	2.6	NW 0	tr. 4	+ 4.3	+ 3.0	......	Nrg.
27.153	+6.0	3.0	S 1	HN. 4	+ 8.9	+ 3.4	......	
27.208	+2.6	2.0	NW 2	tr. 4	+ 6.5	+ 2.3	2.31*	Mrgr., 7¼h Mgs. Rg., Rgbg., N.
27.533	+1.6	1.7	NW 2	H.FS. 4	+ 4.1	+ 0.2		Rg., Sch.
27.606	+0.4	1.7	NW 2	FS.H. 2	+ 2.0	− 0.8	......	Reif.
27.684	−0.9	1.7	NW 1	0	+ 1.8	− 3.0	......	Reif.
27.520	−2.0	1.7	S 0	FS.N. 3	+ 0.4	− 2.5	......	☾ Hof.
27.367	+0.4	1.9	NW 0	N. 4	+ 4.6	− 1.0	......	Nachts Rg.
27.257	+5.0	2.6	S 2	FS. 1	+ 5.8	+ 1.5	0.19	N., Nrg.
27.205	+6.8	2.9	S 3	FS.H. 4	+10.4	+ 1.8	......	☾ Hof.
27.281	+1.4	2.2	N 0	N. 4	+ 4.5	+ 1.4	......	☾ Hof.
27.274	+6.5	3.0	WNW 0	F.FS. 3	+10.8	+ 2.2	......	
27.602	+6.2	2.8	NNW 0	FS.H. 4	+ 9.7	+ 3.2	......	N., Rg.
27.704	+5.4	3.0	SO 0	FS.N. 3	+ 8.8	+ 3.5	......	☾ Hof, Nrg.
27.553	+6.2	3.2	N 0	tr. 4	+ 7.8	+ 4.7	......	Nrg.
27.543	+1.56	2.05	1.0	3.4			7.38	

December 1860.

Datum	6 Uhr Morgens					2 Uhr Nachmittags				
	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter
	''	°	'''			''	°	'''		
1	27.559	+5.1	2.7	WNW 1	FS.N. 4	27.557	+6.0	2.7	NW 1	FS.S. 4
2	27.516	+2.6	2.1	NNW 2	tr. 4	27.541	+1.4	1.8	NNO 2	Sch. 4
3	27.630	—2.8	1.6	NNO 1	S.HN. 4	27.591	—1.3	1.7	OSO 1	tr. 4
4	27.541	—1.5	1.7	SO 3	Sch. 4	27.521	—1.3	1.7	SO 3	Sch. 4
5	27.427	—2.4	1.5	SO 3	S.FS.N. 3	27.392	—1.5	1.7	S 3	HN. 4
6	27.508	—0.2	1.8	S 1	Sch. 4	27.510	+1.0	1.7	S 0	FS.N. 4
7	27.439	—0.6	1.8	S 0	Nrg. 4	27.373	—0.1	1.9	SSO 2	HN. 4
8	27.126	+3.3	2.2	S 2	S.FS. 4	27.094	+4.3	2.6	SO 2	S.FS. 4
9	26.916	+4.0	2.6	SSO 1	S.FS.N. 4	26.815	+5.4	3.1	SO 1	Rg. 4
10	26.837	+4.5	2.4	W 2	S.FS. 4	27.002	+5.8	2.5	WNW 2	S.FS. 3
11	27.176	+4.4	2.4	WNW 1	FS. 2	27.145	+6.2	2.8	SW 0	F.FS. 2
12	27.224	+2.0	2.0	WNW 1	F. 1	27.277	+4.5	2.2	NNW 1	F.FS. 3
13	27.399	+2.4	2.1	NW 2	tr 4	27.404	+3.0	2.0	NNW 1	HN. 4
14	27.540	+1.4	1.9	NW 2	Rg.Sch. 4	27.594	+2.2	1.6	N 2	HN. 3
15	27.657	—0.3	1.9	NW 1	S.FS. 4	27.663	+0.5	1.7	N 2	Sch. 4
16	27.634	—2.3	1.5	NNW 0	S.FS. 3	27.556	—1.1	1.7	N 0	FS.HN. 4
17	27.344	—3.8	1.5	WSW 0	N. 2	27.242	—0.6	1.6	SSW 0	F.N. 2
18	27.146	—3.7	1.4	W 0	N. 3	27.185	—0.8	1.8	SSW 0	F.N. 3
19	27.414	—2.8	1.5	WNW 0	N. 2	27.331	+1.3	1.5	S 1	0
20	27.276	—3.1	1.5	SO 2	Sch. 4	27.267	—3.1	1.5	SO 0	Sch. 4
21	27.327	—1.4	1.6	NW 0	S.FS. 2	27.354	—0.1	1.6	NW 1	F.FS. 3
22	27.235	—6.8	1.2	NW 0	N. 4	27.100	—4.8	1.4	NNW 1	N. 4
23	27.192	—5.0	1.3	WNW 2	S.FS.N. 4	27.223	—3.0	1.5	WNW 2	FS.N. 3
24	27.313	—7.3	1.2	SW 0	N. 1	27.254	—5.7	1.4	SO 1	FS.N. 3
25	27.244	—5.1	1.4	SO 1	tr. 4	27.145	—3.1	1.5	SO 2	Sch. 4
26	27.044	—0.6	1.6	W 0	S.FS.N. 4	27.255	+5.2	2.1	NW 1	S.HN. 4
27	27.314	—0.2	1.7	SSO 0	N. 4	27.195	+0.3	1.9	WNW 0	N. 4
28	27.255	+1.4	2.0	W 0	FS.N. 1	27.271	+5.4	2.2	NW 0	F.FS. 2
29	27.606	—3.3	1.4	NNW 3	Sch. 4	27.759	—2.3	1.4	NNW 3	FS. 2
30	27.939	—3.8	1.5	NNW 1	FS. 2	27.883	—2.5	1.6	N 0	F.FS. 1
31	27.511	—4.6	1.3	SO 3	S.FS.N. 4	27.436	—5.1	1.4	SO 3	Sch. 4
M	27.364	—0.98	1.75	1.2	3.3	27.353	+0.52	1.86	1.3	3.3

December 1860.

10 Uhr Abends								
Bar. 0°	Therm. Réaum.	Expans.	Wind	Wetter	Max.	Min.	Ombr.	Anmerkungen.
″	°	‴			°	°		
27.538	+4.8	2.5	NNW 1	FS.H. 4	+6.3	+2.2	......	
27.607	+0.1	1.7	N 2	tr. 4	+2.5	−3.0	......	
27.581	−0.9	1.6	SO 3	S.HN. 4	−0.6	−3.2	......	Schnee.
27.518	−1.6	1.6	SSO 3	S.H. 4	−1.0	−2.6	......	N.
27.480	−1.2	1.7	S 2	HN. 4	−0.2	−2.4	4.‴00*	Schnee, Rg.
27.506	−0.4	1.7	SSO 1	HN. 4	+1.1	−1.0	0.31*	Nrg., Abdr.
27.212	+0.8	2.0	SSO 3	N. 4	+4.0	−0.8	0.25*	
27.036	+2.4	2.4	SO 3	HN. 4	+4.5	+2.3	......	Nrg., N.
26.730	+6.0	3.0	SO 1	tr. 4	+6.2	+4.0	4.31	Rg.
27.135	+5.7	2.4	WNW 3	tr. 4	+5.8	+4.3	......	4h Abds. Rg.
27.169	+2.0	2.1	SO 0	N. 2	+6.3	+2.0	......	Reif.
27.383	+2.9	2.1	NNW 1	F.N. 2	+4.7	+2.1	......	
27.487	+1.6	2.0	NW 1	S.H. 4	+3.6	+1.2	0.31*	Rg., Schnee.
27.659	+0.3	1.5	NNW 2	Sch. 4	+3.0	−0.5	......	
27.673	−0.3	1.6	NNW 1	tr. 4	+0.5	−2.4	......	
27.467	−2.2	1.6	SSO 1	tr. 4	−1.0	−4.0	......	N., Schnee.
27.194	−3.1	1.5	SSW 0	N. 2	−0.5	−4.7	......	Reif.
27.301	−0.2	1.7	NW 1	tr. 4	−0.1	−3.8	......	Reif.
27.243	−1.8	1.5	SSO 2	S.FS. 2	+1.4	−3.3	......	☾ Hof.
27.302	−1.8	1.6	WNW 1	S.FS. 4	−1.0	−3.2	2.94*	
27.342	−6.8	1.3	W 0	N. 2	+0.1	−8.6	......	Reif.
27.088	−4.2	1.4	NNW 1	Sch. 4	−3.6	−6.5	......	Schneewehen.
27.285	−2.5	1.5	WNW 2	S.FS.N. 4	−2.4	−8.0	0.44*	Schnee, Schneew.
27.276	−4.2	1.5	S 2	tr. 4	−4.0	−7.4	......	
27.043	−1.8	1.9	SO 2	tr. 4	−0.3	−4.8	0.31*	N., Schnee.
27.376	+1.3	2.0	SW 0	FS.N. 1	+5.3	−1.0	......	
27.259	−0.2	1.8	SO 0	N. 3	+3.2	−0.5	......	Nrg.
27.285	+1.9	2.1	NW 2	Rg. 4	+5.4	−4.0	0.88*	Schnee.
27.896	−2.5	1.5	NW 1	Sch. 4	−2.0	−4.0	......	
27.726	−5.8	1.2	S 1	HN. 4	−2.4	−6.3	......	Mrgrth., N., ☾ Hof.
27.412	−5.3	1.4	SO 1	Sch. 4	−4.6	−6.1	10.88*	Schneegestöber.
27.362	−0.55	1.79	1.5	3.5			24.64	

Uebersicht der meteorologischen Beobachtungen im Jahre 1860.

1860	Barometerstand in Par. Zollen auf 0° Réaumur reducirt.							
	6^h M.	2^h Ab.	10^h Ab.	Mittl.	Höchster		Tiefster	
Jänner	27''509	27''496	27''519	27''508	den 8.	28''040	den 5.	26''730
Februar	27.447	27.446	27.475	27.456	» 24.	27.902	» 27.	26.916
März........	27.489	27.469	27.487	27.482	» 4.	27.914	» 24.	27.069
April	27.464	27.456	27.489	27.470	» 29.	27.874	» 19.	27.068
Mai.........	27.520	27.493	27.511	27.508	» 1.	27.758	» 26.	27.269
Juni	27.502	27.490	27.497	27.496	» 6.,23.	27.680	» 16.	27.252
Juli........	27.504	27.488	27.503	27.498	» 3.	27.765	» 13.	27.307
August	27.506	27.487	27.496	27.496	» 20.	27.699	» 4.	27.257
September ..	27.557	27.546	27.564	27.556	» 12.	27.922	» 18.19.	27.259
October	27.712	27.698	27.715	27.708	» 30.	27.996	» 12.	27.128
November...	27.534	27.527	27.543	27.535	» 1.	27.843	» 18.	26.954
December ...	27.364	27.353	27.362	27.360	» 30.	27.939	» 9.	26.730
Jahr	27.509	27.496	27.514	27.506	8. Jänner	28.040	5. Jänner 9. Dec.	26.730

	Wärme nach Réaumur.							
	6^h M.	2^h Ab.	10^h Ab.	Mittl.	Grösste		Kleinste	
Jänner	+ 0°30	+ 2°44	+ 0°59	+ 1°11	den 2.	+ 11°4	den 18.	— 4.6
Februar	— 1.13	+ 1.19	— 0.64	— 0.19	» 6., 9.	+ 5.7	» 14.	— 4.8
März........	+ 1.91	+ 4.81	+ 1.74	+ 2.82	» 22.	+ 11.1	» 12.	— 7.7
April	+ 5.31	+ 10.28	+ 6.75	+ 7.45	» 8.	+ 16.8	» 23.	+ 1.6
Mai.........	+ 9.98	+ 15.98	+ 11.49	+ 12.48	» 21.	+ 23.0	» 6.	+ 2.8
Juni	+ 12.85	+ 17.60	+ 14.13	+ 14.86	» 26.	+ 23.7	» 1.	+ 9.0
Juli........	+ 11.90	+ 16.88	+ 13.22	+ 14.00	» 17.	+ 24.6	» 8.	+ 8.1
August	+ 12.13	+ 19.00	+ 14.59	+ 15.24	» 27.	+ 27.1	» 8.	+ 8.0
September ..	+ 10.61	+ 15.66	+ 12.04	+ 12.77	» 2.	+ 26.2	» 12.	+ 4.2
October	+ 5.55	+ 9.79	+ 6.39	+ 7.24	» 8.	+ 15.2	» 20.	— 0.8
November...	+ 1.12	+ 3.21	+ 1.56	+ 1.96	» 27.	+ 10.8	» 21.	— 3.0
December ...	— 0.98	+ 0.52	— 0.55	— 0.34	» 1., 11.	+ 6.3	» 21.	— 8.6
Jahr	+ 5.82	+ 9.80	+ 6.80	+ 7.47	27. August	+ 27.1	21. Dec.	— 8.6

	Spannkraft der Dünste in Par. Linien.							
	6^h M.	2^h Ab.	10^h Ab.	Mittl.	Grösste		Kleinste	
Jänner	1.86	2.10	1.83	1.93	den 1.	3.4	den 8., 9., 19.	1.4
Februar	1.63	1.76	1.68	1.69	» 7., 8.	2.2	» 14.	1.3
März........	1.78	2.05	1.93	1.92	» 29.	3.3	» 11., 12.	1.8
April	2.57	2.95	2.79	2.77	» 8.	4.5	» 16.	1.8
Mai.........	3.83	4.00	3.86	3.90	» 21.	5.5	» 6.	1.7
Juni	4.59	4.97	4.68	4.75	» 27.	6.7	» 1.	3.1
Juli........	4.30	4.73	4.45	4.49	» 20.	7.1	» 5.	2.8
August	4.65	5.21	5.02	4.96	» 17.	7.5	» 8., 25.	3.7
September ..	4.08	4.58	4.17	4.28	» 2.	6.5	» 14.	2.1
October.....	2.88	3.33	2.98	3.06	» 1.	5.0	» 31.	1.6
November...	1.95	2.21	2.05	2.07	» 27., 30.	3.5	» 6.	1.3
December ...	1.75	1.86	1.79	1.80	» 9.	3.1	» 22., 24., 30.	1.2
Jahr	2.99	3.32	3.11	3.14	» 17. August	7.5	» 22., 24., 30. Dec.	1.2

1860	Windstärke			Bewölkung			
	6^h M.	2^h Ab.	10^h Ab.	6^h M.	2^h Ab.	10^h Ab.	
Jänner	0.7	0.9	0.8	3.2	3.4	3.2	
Februar	1.3	1.6	1.4	3.0	3.1	2.9	
März	0.8	1.3	1.0	2.8	3.0	2.3	
April	1.2	1.5	1.0	3.0	3.4	3.3	
Mai	1.1	1.0	1.1	2.1	2.6	2.1	
Juni	1.0	1.2	0.9	2.4	2.9	2.2	
Juli	1.2	1.4	1.4	2.7	3.2	2.4	
August	0.7	1.5	0.9	2.1	2.1	2.1	
September	0.8	1.2	1.4	2.3	2.7	2.1	
October	0.5	0.8	0.4	2.7	2.9	2.5	
November	1.1	1.1	1.0	3.1	3.4	3.4	
December	1.2	1.3	1.5	3.3	3.3	3.5	
Jahr	0.95	1.23	1.06	2.72	2.98	2.67	

	Ansicht des Himmels						Höhe des Niederschlages in Par. Lin.		
	Heiter	theilweise trüb	Trüb	Nebel	Regen	Schnee	Rg.u.Sch.	Grösste Regenmenge in 24^h	
Jänner	0	18	13	23	12	12	13.01	den 27.	3.38
Februar	0	21	8	15	4	17	4.89	„ 8.	0.81
März	0	29	2	22	12	7	12.19	„ 28.	3.76
April	0	23	7	9	21	2	29.34	„ 27.	13.06
Mai	0	30	1	7	17	3	33.81	„ 2.	18.06
Juni	1	25	4	1	20	0	18.06	„ 5.	4.65
Juli	0	30	1	6	18	0	15.93	„ 31.	6.80
August	1	29	1	15	14	0	13.77	„ 7.	8.94
September	2	28	0	13	9	0	6.27	„ 26.	3.58
October	0	27	4	26	14	0	5.37	„ 12.	1.61
November	0	16	14	25	19	8	7.38	„ 8.	2.38
December	0	17	14	22	9	16	24.64	„ 31.	10.88
Jahr	4	293	69	184	150	65	184.66	2. Mai	18.06

	Vertheilung der Windesrichtungen															
	N	NNO	NO	ONO	O	OSO	SO	SSO	S	SSW	SW	WSW	W	WNW	NW	NNW
Jänner	1	0	0	0	0	0	18	17	17	2	3	1	6	11	16	1
Februar	7	0	0	0	0	0	8	2	2	2	3	0	1	11	36	15
März	8	0	2	0	1	0	9	6	8	7	7	2	0	15	21	7
April	10	0	0	0	1	0	17	7	8	3	2	1	2	10	18	11
Mai	5	0	1	0	0	1	10	10	6	1	0	0	1	17	27	14
Juni	2	0	1	1	3	1	7	6	9	0	4	0	1	17	33	5
Juli	6	0	0	2	2	0	7	0	4	0	3	0	0	22	42	5
August	3	0	2	0	0	0	5	6	11	3	4	2	4	26	24	3
September	11	1	1	2	1	1	10	5	14	1	2	0	3	9	15	14
October	4	0	11	0	1	2	11	8	1	2	7	2	8	10	21	5
November	11	3	1	0	1	0	16	6	10	1	0	0	2	5	18	16
December	5	2	0	0	0	1	19	8	9	3	3	1	5	11	13	13
Jahr	73	6	19	5	10	6	137	81	99	25	38	9	33	164	284	109

1860	Ansicht des Himmels	
	Gewitter etc.	Stürme
Jänner	⊙ Hof d. 3.; ☾ Hof d 1., 2., 8.; Rgbg. d. 1.	d. 5. NW.
Februar	☾ Hof d. 1., 2., 3., 4., 7., 8.	d. 7., 27., 28., 29. NW.
März	Gew. d. 22. W-OSO; ☾ Hof d. 3., 4., 5., 31., Rgbg. d. 26.	d. 26., 30. WNW.
April	Gew. d. 3. W-N, 26. SW-NW; ☾ Hof d. 4.; Rgbg. d. 10., 28.	d. 28. WNW.
Mai	Gew. d. 3. NW-SSO, 13. NW, 15. SW, 24. WNW-O, W-N; 26. S-NW; Wttl. d. 8. NW, 13. WSW, 19. W, 20. S; ⊙ Hof d. 24.; Rgbg. d. 15., 24., 26.	d. 8. WNW.
Juni	Gew. NW-O u. Hgl.*) d. 5.; Wttl. d. 10. W., 14. S; Rgbg. d. 1., 25.; Feuerkugel d. 13.	....
Juli	Gew. d. 19. S-N; Wttl. d. 18. S; Rgbg. 1., 5., 6., 13.	d. 6., 31. NW.
August	Gew. d. 14. N-O; Wttl. d. 12. W, 14. N-O; 17. NNW; Rgbg. d. 4.;	d. 1. NW.
September	Gew. d. 3. W, 7. N, 8. S, NO; Wttl., d. 19. NO; ☾ Hof d. 6.; Rgbg. d. 16.	d. 18. S, 24. SSO.
October	⊙ Hof d. 1.	....
November	☾ Hof d. 22., 25., 26., 29.; Rgbg. d. 18.	d. 12. SO.
December	☾ Hof d. 19., 30.	....
Jahr	Gew. 16, Wttl. 11, Hgl. 1, ⊙ Höfe 3, ☾ Höfe 21, Rgbg. 17.	15 Stürme.

*) Das Hagelwetter war, was die Dauer und das dichte Herabfallen der Schlossen, so wie ihre Grösse betrifft, seit einer Reihe von Jahren das bedeutendste. Die grössten Körner hatten die Form einer abgestutzten dreiseitigen Pyramide, deren Basis convex und kleinere Endfläche concav war. Die Länge betrug oft mehr als 1″ und es wechselten in diesen Stücken, der Basis parallel, Schichten durchsichtigen und undurchsichtigen, mattweissen Eises mehrmals mit einander ab.

Stand des Barometers: 98.05 Wiener Klafter = 95.39 Toisen (nach der neuen Vergleichung von Struve) über dem adriatischen Meere, oder 101.7 Wiener Fuss über dem mittleren Spiegel der Donau. Stand der übrigen Instrumente 18 Wiener Fuss höher.

Die Beobachtungen wurden am Gefässbarometer von Heinrich Weilhöfer gemacht. Dasselbe ist in Pariser Zolle und Decimaltheile derselben eingetheilt.

Der Dunstdruck wurde an einem nach Lamont (Annalen für Meteorologie und Erdmagnetismus 1842) getheilten Psychrometer abgelesen, und ist in Pariser Linien angegeben.

Das Maximum und Minimum der Temperatur gilt für die Zeit von 8^h Morgens des nebenstehenden, bis 8^h Morgens des folgenden Tages.

Ombrometer nach Horner; ein Umschlag ist gleich 0.17885 Par. Lin. Regenhöhe. Schneewasser ist durch einen * kenntlich gemacht.

Für die Stärke des Windes wurde die Bezeichnung von Lamont's Annalen für Meteorologie und Erdmagnetismus Jahrgang 1842 gebraucht.

Abkürzungen: tr. trüb, h. heiter, Rg. Regen, Sch. Schnee, Nrg. Nebelregen, N. Nebel, Frn. Frostnebel. HN. Höhennebel, Hg. Hagel, Gw. Gewitter, Str. Sturm, Wttl. Wetterleuchten, H. Haufenwolken, GH. geschichtete Haufenwolken, H.GH. Haufen- und geschichtete Haufenwolken, F.H. fedrige Haufenwolken, F. Federwolken, FS. fedrige Schichtwolken, H.N. Haufenwolken und Nebel, S. Schichtwolken, D. Dünste, Ab. und Abds. Abends, Mtt. Mittags, Nchmttgs. Nachmittags, Hor. Horizont, ⊙ Hof Sonnenhof; ☾ Hof Mondhof; Abdr. Abendröthe, Mrgrth. Morgenröthe.

Die Ziffern in der Columne „Wetter“ geben den Grad der Bewölkung an, 4 bedeutet, dass der ganze Himmel, 3 dass beiläufig $^3/_4$, 2 dass $^1/_2$ und 1 dass $^1/_4$ des Himmels bedeckt ist.

Tafeln zur Reduction der Zonenbeobachtungen.

Zone 44. 1856. December 2. $D = +15° 50'$ $\Delta t = +0^s.05$

t	k		k'	d		d'
0^h20^m	$-3^s.07$	0	$+0^s.02$	$-38''.0$	$-0''.6$	$-13''.5$
30	3.07	+1	0.03	38.6	0.7	13.5
40	3.06	0	0.03	39.3	0.8	13.5
50	3.06	+1	0.04	40.1	0.9	13.5
1 0	3.05	0	0.04	41.0	1.0	13.5
10	3.05	+1	0.05	42.0	−1.1	13.4
20	−3.04		+0.05	−43.1		−13.4

Zone 45. 1856. December 17. $D = +15° 50'$ $\Delta t = +0^s.05$

t	k		k'	d		d'
0^h20^m	$+2^s.18$	−1	$+0^s.03$	$-38''.8$	$-0''.6$	$-13''.6$
30	2.17	0	0.03	39.4	0.7	13.6
40	2.17	0	0.04	40.1	0.8	13.5
50	2.17	−1	0.04	40.9	1.0	13.5
0 0	2.16	0	0.05	41.9	1.0	13.5
10	2.16	0	0.05	42.9	−1.1	−13.5
20	+2.16		+0.06	−44.0		

Zone 46. 1856. December 17. $D = +15° 20'$ $\Delta t = +0^s.05$

t	k		k'	d		d'
1^h20^m	$+2^s.10$	−1	$+0^s.06$	$-43''.2$	$-1''.2$	$-13''.5$
30	2.09	0	0.06	44.4	1.3	13.5
40	2.09	−1	0.06	45.7	1.4	13.5
50	2.08	0	0.07	47.1	1.5	13.5
2 0	2.08	0	0.07	48.6	1.6	13.5
10	2.08	−1	0.08	50.2	1.7	13.4
20	2.07	0	0.08	51.9	1.8	13.4
30	2.07	0	0.09	53.7	−1.8	13.4
40	+2.07		+0.09	−55.5		−13.4

Zone 47. 1856. December 20. $D = +17° 50'$ $\Delta t = +0^s.03$

t	k		k'	d		d'
$0^h\ 0^m$	$+3^s.13$	0	$+0.02$	$-27''.2$	$-0''.4$	$-13''.6$
10	3.13	0	0.02	27.6	0.5	13.6
20	3.13	0	0.03	28.1	0.6	13.6
30	3.13	0	0.03	28.7	0.8	13.6
40	3.13	−1	0.04	29.5	0.8	13.6
50	3.12	0	0.04	30.3	−0.9	13.6
1 0	+3.12		+0.05	−31.2		−13.6

Zone 48. 1856. December 21. $D = +17° 50'$ $\Delta t = +0^s.03$

t	k		k'	d		d'
$1^h\ 0^m$	$+3^s.34$	0	$+0^s.05$	$-33''.1$	$-1''.1$	$-13''.6$
10	3.34	−1	0.05	34.2	1.1	13.6
20	3.33	0	0.06	35.3	1.2	13.6
30	3.33	0	0.06	36.5	−1.3	13.6
40	+3.33		+0.07	−37.8		−13.6

Zone 49. 1856. December 31. $D = +17° 10'$ $\Delta t = +0^s.05$

t	k		k'	d		d'
$1^h\ 0^m$	$+4^s.28$	0	$+0^s.05$	$-25''.7$	$-1''.0$	$-13''.6$
10	4.28	0	0.05	26.7	1.2	13.6
20	4.28	−1	0.06	27.9	1.3	13.6
30	4.27	0	0.06	29.2	1.3	13.6
40	4.27	−1	0.07	30.5	1.4	13.6
50	4.26	0	0.07	31.9	−1.6	13.6
2 0	+4.26		+0.08	−33.5		−13.6

Zone 50. 1856. December 31. $D = +17° 10'$ $\Delta t = +0^s.05$

t	k		k'	d		d'
$3^h\ 0^m$	$+4^s.11$	−1	$+0^s.10$	$-46''.4$	$-2''.1$	$-13''.5$
10	4.10	1	0.10	48.5	2.0	13.5
20	4.09	1	0.10	50.5	2.2	13.5
30	4.08	1	0.10	52.7	2.2	13.5
40	4.07	1	0.11	54.9	2.2	13.5
50	4.06	−1	0.11	57.1	−2.3	13.5
4 0	+4.05		+0.11	−59.4		−13.4

$$AR\ 1860 = t + k + \frac{\delta - D}{100} k'$$

$$\text{Decl. } 1860 = \delta + d + \frac{\delta - D}{100} d'$$

t genäherte Uhrzeit der Culmination (5. Columne der Zonen)
δ beiläufige Declination (7. » » »)
$\delta - D$ in Minuten auszudrücken.

Uebersicht der Zonen 1 bis 50.

(Zone 1— 8 im Jahrgange 1857,
» 9—25 » » 1858,
» 26—34 » » 1859,
» 35—43 » » 1860.)

Von AR =	0^h	7^m	bis	1^h	6^m	δ = +	17°	30′	bis	18°	5′	Zone	47
» »	0	31	»	1	35	»	15	1	»	15	31	»	41
» »	0	32	»	1	15	»	15	31	»	16	6	»	45
» »	0	33	»	1	16	»	15	31	»	16	6	»	44
» »	1	2	»	2	7	»	17	0	»	17	30	»	49
» »	1	3	»	1	30	»	17	30	»	18	5	»	48
» »	1	8	»	2	1	»	15	31	»	16	6	»	43
» »	1	30	»	2	30	»	15	1	»	15	31	»	46
» »	3	5	»	4	7	»	17	0	»	17	30	»	50
» »	16	48	»	17	24	»	17	4	»	17	39	»	3
» »	16	48	»	18	35	»	17	34	»	18	1	»	4
» »	16	54	»	18	35	»	16	34	»	17	9	»	2
» »	17	24	»	17	59	»	16	4	»	16	39	»	1
» »	18	34	»	20	8	»	17	34	»	17	49	»	8
» »	18	44	»	19	43	»	17	47	»	18	3	»	6
» »	18	46	»	19	16	»	17	4	»	17	19	»	11
» »	18	50	»	20	11	»	17	44	»	18	4	»	5
» »	18	58	»	20	15	»	17	19	»	17	34	»	10
» »	19	11	»	19	58	»	17	4	»	17	19	»	14
» »	19	26	»	20	46	»	16	49	»	17	4	»	13
» »	19	31	»	20	39	»	17	4	»	17	19	»	12
» »	19	41	»	20	34	»	17	49	»	18	4	»	7
» »	19	53	»	22	12	»	17	34	»	17	49	»	19
» »	20	10	»	21	45	»	17	19	»	17	34	»	27
» »	20	12	»	22	14	»	15	59	»	16	14	»	18
» »	20	21	»	21	29	»	16	39	»	16	49	»	15
» »	20	26	»	21	47	»	16	29	»	16	39	»	16
» »	20	34	»	22	34	»	17	49	»	18	4	»	20
» »	20	39	»	21	45	»	17	4	»	17	19	»	29
» »	20	40	»	21	16	»	16	49	»	17	4	»	25
» »	20	47	»	22	42	»	16	14	»	16	29	»	17
» »	20	50	»	21	42	»	17	34	»	17	49	»	9
» »	21	9	»	22	12	»	16	34	»	17	4	»	23
» »	21	36	»	23	36	»	16	29	»	16	49	»	21
» »	21	37	»	22	39	»	17	4	»	17	34	»	22
» »	21	50	»	22	36	»	15	1	»	15	31	»	38
» »	21	58	»	22	52	»	17	34	»	18	4	»	24
» »	22	3	»	22	46	»	15	31	»	15	51	»	42
» »	22	10	»	22	49	»	16	4	»	16	19	»	32
» »	22	11	»	23	44	»	16	49	»	17	4	»	26
» »	22	29	»	23	42	»	15	1	»	15	31	»	37
» »	22	35	»	23	49	»	17	4	»	17	34	»	28
» »	22	40	»	23	12	»	15	31	»	16	6	»	40
» »	22	42	»	23	45	»	16	4	»	16	34	»	31
» »	22	48	»	0	7	»	17	34	»	18	4	»	30
» »	23	0	»	0	39	»	15	31	»	16	6	»	39
» »	23	36	»	1	6	»	16	33	»	17	3	»	35
» »	23	37	»	0	38	»	15	1	»	15	31	»	36
» »	23	41	»	1	6	»	16	4	»	16	34	»	33
» »	23	48	»	1	6	»	17	4	»	17	34	»	34

Inhalt.

	Seite
Einleitung	III
Beobachtungen am Meridiankreise im Jahre 1859	1
Resultate der Beobachtungen am Meridiankreise	50
I. Planeten- und Cometen-Positionen aus den Jahren 1856 bis 1859 . .	50
Ceres, Pallas, Vesta, Astraea, Hebe, Iris, Flora	50
Metis, Parthenope, Victoria, Irene, Eunomia, Psyche	51
Melpomene, Fortuna, Massalia, Lutetia, Calliope, Thalia, Themis, Proserpina	52
Euterpe, Bellona, Amphitrite, Urania, Circe, Fides, Laetitia, Harmonia, Isis, Nysa, Mnemosyne, Comet IV 1858	53
II. Mittlere Positionen von Fixsternen	54
III. Verzeichniss der im Jahre 1859 beobachteten Sterne der Histoire céleste	67
Planeten- und Cometenbeobachtungen am Refractor von vier Zoll Oeffnung, vom August 1860 bis Jänner 1862	73
Ariadne	75
Ausonia	76
Elpis	77
Eugenia	77
Eunomia	78
Europa	78
Euterpe	83
Fides	84
Melpomene	85
Parthenope	86
Comet 1861 I	88
Comet 1861 II	89
Zonenbeobachtungen am Mittagsrohre	103
Meteorologische Beobachtungen im Jahre 1860	123
Tafeln zur Reduction der Zonenbeobachtungen	151
Uebersicht der Zonen	153

Verbesserungen.

B. VII. Seite XXI Z. 4 v. o. lies B. Z. 431: $18^h\ 45^m\ 8^s.20$ statt: $18^h\ 47^m\ 17^s.31$
» 31 fehlt bei der Beob. v. 26. Nov. Columne 5, Zeile 1: 27."216 +0.°8 —0.°1
» 3: —0.3
» 56 Z. 13 v. u. lies Anonyma statt Parthenope.

B. VIII. Statt Anonyma lies Eunomia: Seite 32 Z. 17 v. o. und 5 v. u.; Seite 34 Z. 8 und 17 v. o.
Seite 34 Z. 10 v. o. lies (3. Columne) $5^s.51$ statt $46^s.88$.

B. IX. Seite XI Z. 7 v. u. ist ein Fixstern, nicht Parthenope.
Statt Anonyma lies Hebe: Seite 4 Z. 12 v. o.; Seite 6 Z. 5 v. o. und 15 v. u.; Parthenope Seite 4 Z. 14 v. o. und 3 v. u.; dann Seite 6 Z. 11 v. u.; Fides S. 6 Z. 10 v. o.; Proserpina S. 6 Z. 13 v. o.; und S. 24 letzte Z. v. u. Comet Bruhns.
Bei der Beob. März 4. (S. 6) soll sein: $n = -2^s.899$; stündl. Uhrgang $+3^s.425$.
Seite 37 Beob. Sept. 15. lies Polpunkte 48."65 statt 23."63.

B. X. Seite III Z. 16 v. u. lies ✱ statt *.
» IX unten Zone 43 Nr. 20 statt 21.
» 6 lies Irene statt Anonyma März 23 und 28.
» 26 Z. 3 v. o. lies ζ Aquilae statt ξ Aquilae.
» 29 Z. 18 v. o. lies 9^m statt 8^m.
» 217 Zone 1 bis 43 statt 1 bis 34.

B. XI. Seite 16 Beob. v. 29. Sept. lies $n = -1^s.294$ statt $n = -12^s.94$.
» 16. Z. 6. v. u. lies L. 42923 statt L. 41913; Seite 28 Z. 14 v. u. L. 42798 statt L. 42848?; Seite 46 Z. 7 v. u. L. 4699 statt L. 4799 und Seite 40 Z. 17 v. o. Cassiopeae statt L. 2367.

ANNALEN

der

k. k. Sternwarte in Wien.

Dritter Folge

Eilfter Band.

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